Garbage Disposal - In-Sink-Erator

ISE Commercial Products Group

WARRANTY INFORMATION

- In-Sink-Erator Commercial Products are warranted against defects in material and workmanship for one year from the date of installation.
- The warranty includes parts and labor, provided the service is performed by an In-Sink-Erator Factory Authorized Service Center.
- This warranty does not apply if a disposer failure is due to: *faulty or improper electrical installation, faulty or improper plumbing installation, product abuse or misuse, accidental damage, grinding elements jammed by foreign objects, clogged drain lines, improperly sized unit (as specified by In-Sink-Erator).*
- Commercial disposer accessories are included in this warranty only if they are included in the original disposer purchase package.
- To obtain service, call the nearest In-Sink-Erator Factory Authorized Service Agency. For the location of your nearest Factory Authorized Service Agency, call 1-800-558-5712, ext. 4326.

ISO 9001 Certification

In-Sink-Erator has been an ISO 9001 Certified manufacturing facility since 1996.

ISO stands for International Organization for Standardization, a group which provides for the development of international standards. The ISO standard promotes documentation of procedures; consistency of procedures; and control of all aspects of the manufacturing cycle. There are three levels of ISO certification. ISO 9001 is the highest and most comprehensive level for companies that design and manufacture their own products.

IN-SINK-ERATOR COMMERCIAL DIVISION
DIVISION OF EMERSON ELECTRIC COMPANY
4700 21st STREET
RACINE, WISCONSIN 53406 TEL: 414 554-5432 1-800-558-5712 FAX: 414 554-8917

PRINTED IN U.S.A.

FORM NO. C255-98G-02

IN-SINK-ERATOR® DISPOSER IN-HOME FULL SERVICE WARRANTY

777SS - Seven Year Warranty
555SS - Five Year Warranty
444 - Four Year Warranty
17 - Five Year Warranty

Badger 5 Plus - Three Year Warranty
Badger 5 - Two Year Warranty
Badger 1 - One Year Warranty

This warranty covers all replacement parts and repair labor to correct defects in disposer material and workmanship for the full warranty period from the date of installation in your home. If warranty service is required during the warranty period, contact an authorized In-Sink-Erator® service center to replace or repair the unit in your home at no cost to you. If you have questions concerning your disposer or determining when service is needed, please call the toll free In-Sink-Erator® AnswerLine™ to obtain the name of the authorized service center nearest you. **The toll free number is 1 (800) 558-5700.**

This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If the manufacturer determines the unit should be replaced rather than repaired, the warranty on the replacement unit will be limited to the unexpired term of the original warranty. No other express warranty, written or oral, applies.

If your disposer does not operate, follow these steps in order:

1. Check the things you can do yourself. Be sure the disposer is connected to the electric power and the fuses or circuit breakers are in working order. Reread the instruction book to ensure that you are operating the disposer correctly.

2. Call In-Sink-Erator® for information or for the location of the authorized service center nearest you. (The toll free In-Sink-Erator® AnswerLine™ number is listed above.)

3. Write to us if a satisfactory solution is not reached in steps 1 and 2. Our address is:

In-Sink-Erator®
Service Department
4700 21st Street
Racine, Wisconsin 53406 USA

When writing or calling, supply the following information: date, your name, your address, and your phone number. Describe the product by model number, serial number, date purchased, place purchased, and service history (including name and address of service agent). Clearly describe the problem and service required.

NOTE: Warranty is determined by unit serial number and date of installation. Purchase or installation receipt may be required to verify warranty status.

This disposer is intended to be installed in the United States of America; installation outside of the United States may void the warranty.

OPERATING INSTRUCTIONS

CONTINUOUS FEED DISPOSERS

1. Remove stopper from sink opening and run strong flow of cold water.
2. Turn on wall switch to start disposer.
3. Slowly insert food waste into disposer and position stopper to minimize possible ejection of material while grinding (see Figure A).
4. After grinding is complete, turn disposer off and run water for at least 15 seconds to flush drain line.

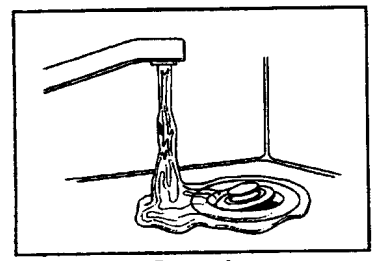


Figure A

BATCH FEED DISPOSERS

Batch feed disposer differ from continuous feed models in that the batch feed on/off switch is built into the disposer and activated by the stopper. (See **Instruction** 1, *Installation Dimensions* chart, for model reference.)

1. Read important safety instructions contained in the Installation, Care & Use manual.
2. Remove stopper from sink opening and place food waste into disposer grind chamber. Do not pack chamber with waste. Place stopper back in sink opening. Run a strong flow of cold water.
3. Turn on disposer by lifting stopper slightly and turning to left or right until disposer starts. (See Figure B: *Seal* - Completely in, *Drain* - Lift 1/4 inch and turn, *Start* - Turn fully left or right.)
4. After grinding is complete, turn disposer off by removing the stopper and allow water to run for at least 15 seconds to flush drain line.

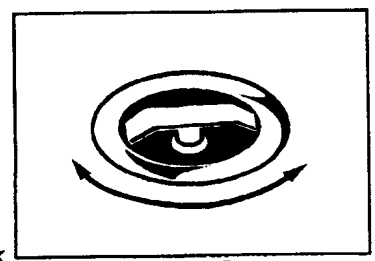


Figure B

DO...

- First turn on a moderate to strong flow of cold water and then turn on the disposer. Continue running cold water for 15 seconds after grinding is completed to flush the drain line.
- Grind hard materials such as small bones, fruit pits, and ice. A scouring action is created by the particles inside the grind chamber.
- Grind peelings from citrus fruits to freshen up drain smells.
- Use a disposer cleaner, degreaser, or deodorizer as necessary to relieve objectionable odors caused by grease build-up.

DON'T...

- Don't pour grease or fat down your disposer or any drain. It can build up in pipes and cause drain blockages. Put grease in a jar or can and dispose in the trash.
- Don't use hot water when grinding food waste. It is OK to drain hot water into the disposer between grinding periods.
- Don't fill disposer with a lot of vegetable peels all at once. Instead, turn the water and disposer on first and then feed the peels in gradually.
- Don't grind extremely fibrous materials like corn husks, artichokes, etc., to avoid possible drain blockage.
- Don't turn off disposer until grinding is completed and only sound of motor and water is heard.
- Don't be alarmed if a brown discoloration appears on the face of the grinding disc. This is normal. It is surface discoloration only and will not affect the life or performance of the disposer.

⚠ CAUTION

Regularly inspect disposer and plumbing fittings for water leaks, as water leaks can cause property damage. Manufacturer cannot be held responsible for property damage as a result of water leaks.

USER-MAINTENANCE INSTRUCTIONS

CLEANING DISPOSER

Over time, food particles may accumulate in the grind chamber and baffle. An odor from the disposer is usually a sign of grease and food buildup, caused by insufficient water flow during and after disposer use. To clean disposer:

1. Turn off disposer and disconnect power supply.
2. Reach through sink opening and clean underside of splash baffle and inside upper lip of grind chamber with scouring pad.
3. Place stopper in sink opening and fill sink halfway with warm water.
4. Mix 1/4 cup baking soda with water. Turn disposer on and remove stopper from sink at same time to wash away loose particles.

Disposers may also be cleaned with Disposer Care®. This product is not sold by In-Sink-Erator, but is generally available in major home centers, hardware, and grocery stores. For more information on Disposer Care®, contact Iron Out, Inc. at 1-800-654-0791 or www.ironout.com.

RELEASING DISPOSER JAM

If the motor stops during operation, the disposer may be jammed. To release jam:

1. Turn off disposer and water.
2. Insert one end of self-service wrenchette into center hole on bottom of disposer (see Figure C). Work wrenchette back and forth until it turns one full revolution. Remove wrenchette.
3. Reach into disposer with tongs and remove object(s). Allow disposer motor to cool for 3 - 5 minutes and lightly push red reset button on the disposer bottom (see Figure C). (If motor remains inoperative, check service panel for tripped circuit breakers or blown fuses.)

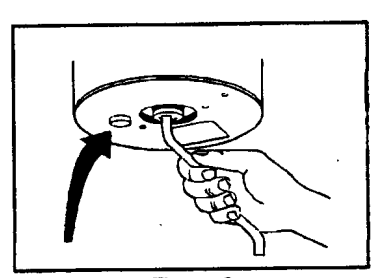


Figure C

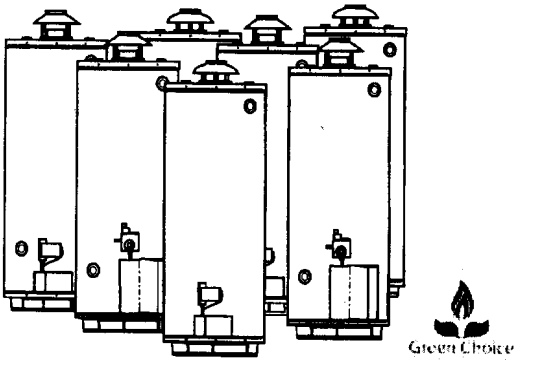
Water Heater - A.O. Smith

Instruction Manual

RESIDENTIAL GAS WATER HEATERS

NOT FOR USE IN MANUFACTURED (MOBILE) HOMES

GAMA certification applies to all residential gas water heaters with capacities of 20 to 100 gallons with input rating of 75,000 BTU/Hr. or less.



WARNING: If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

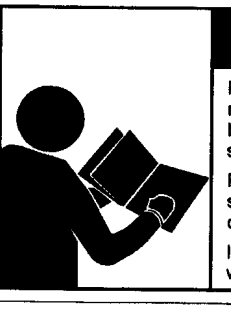
— **Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.**

— **WHAT TO DO IF YOU SMELL GAS:**

- **Do not try to light any appliance.**
- **Do not touch any electrical switch; do not use any phone in your building.**
- **Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.**
- **If you cannot reach your gas supplier, call the fire department.**

— **Installation and service must be performed by a qualified installer, service agency or the gas supplier.**

C3 Technology™ Gas Water Heaters meet the new ANSI Z21.10.1 standard that deals with the accidental or unintended ignition of flammable vapors, such as those emitted by gasoline.



⚠ WARNING

Read and understand instruction manual and safety messages before installing, operating or servicing this water heater.

Failure to follow instructions and safety messages could result in death or serious injury.

Instruction manual must remain with water heater.

• For Your Safety •

AN ODORANT IS ADDED TO THE GAS USED BY THIS WATER HEATER.

ALL TECHNICAL AND WARRANTY QUESTIONS: SHOULD BE DIRECTED TO THE LOCAL DEALER FROM WHOM THE WATER HEATER WAS PURCHASED. IF YOU ARE UNSUCCESSFUL, PLEASE WRITE TO THE COMPANY LISTED ON THE RATING PLATE ON THE WATER HEATER.

KEEP THIS MANUAL IN THE POCKET ON HEATER FOR FUTURE REFERENCE WHENEVER MAINTENANCE ADJUSTMENT OR SERVICE IS REQUIRED.

PRINTED IN THE U.S.A 0903

PART NO. 184165-001

SAFE INSTALLATION, USE AND SERVICE

Your safety and the safety of others is extremely important in the installation, use and servicing of this water heater.

Many safety-related messages and instructions have been provided in this manual and on your own water heater to warn you and others of a potential injury hazard. Read and obey all safety messages and instructions throughout this manual. It is very important that the meaning of each safety message is understood by you and others who install, use or service this water heater.

	This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

	DANGER indicates an imminently hazardous situation which, if not avoided, could result in death or injury.
	WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or injury.
	CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
	CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, could result in property damage.

All safety messages will generally tell you about the type of hazard, what can happen if you do not follow the safety message and how to avoid the risk of injury.

IMPORTANT DEFINITIONS

- **Qualified Installer:** A qualified installer must have ability equivalent to a licensed tradesman in the fields of plumbing, air supply, venting and gas supply, including a thorough understanding of the requirements of the National Fuel Gas Code as it relates to the installation of gas fired water heaters. The qualified installer must also be familiar with the design features and use of flammable vapor ignition resistant water heaters, and have a thorough understanding of this instruction manual.

- **Service Agency:** A service agency also must have ability equivalent to a licensed tradesman in the fields of plumbing, air supply, venting and gas supply, including a thorough understanding of the requirements of the National Fuel Gas Code as it relates to the installation of gas fired water heaters. The service agency must also have a thorough understanding of this instruction manual, and be able to perform repairs strictly in accordance with the service guidelines provided by the manufacturer.

- **Gas Supplier:** The Natural Gas or Propane Utility or service who supplies gas for utilization by the gas burning appliances within this application. The gas supplier typically has responsibility for the inspection and code approval of gas piping up to and including the Natural Gas meter or Propane storage tank of a building. Many gas suppliers also offer service and inspection of appliances within the building.

GENERAL SAFETY

⚠ WARNING

Read and understand instruction manual and safety messages before installing, operating or servicing this water heater.

Failure to follow instructions and safety messages could result in death or serious injury.

Instruction manual must remain with water heater.

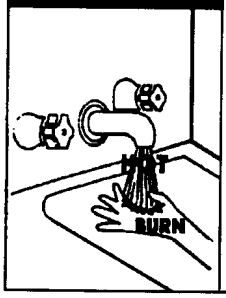
⚠ WARNING

Fire Hazard

For continued protection against risk of fire:

- Do not install water heater on carpeted floor.
- Do not operate water heater if flood damaged.

⚠ DANGER



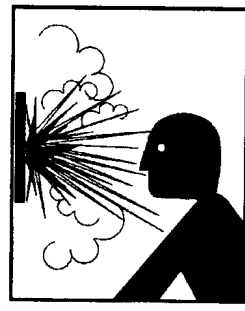
Water temperature over 125°F (52°C) can cause severe burns instantly resulting in severe injury or death.

Children, the elderly, and the physically or mentally disabled are at highest risk for scald injury.

Feel water before bathing or showering.

Temperature limiting valves are available.

Read instruction manual for safe temperature setting.



⚠ WARNING

Explosion Hazard

- Overheated water can cause water tank explosion.
- Properly sized temperature and pressure relief valve must be installed in opening provided.

⚠ WARNING

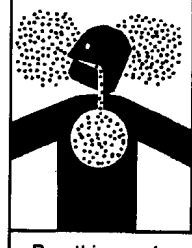
Fire or Explosion Hazard

- Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Avoid all ignition sources if you smell LP gas.
- Do not expose water heater control to excessive gas pressure.
- Use only gas shown on rating plate.
- Maintain required clearances to combustibles.
- Keep ignition sources away from faucets after extended period of non-use.

Read instruction manual before installing, using or servicing water heater.

⚠ WARNING

Breathing Hazard - Carbon Monoxide Gas



- Install vent system in accordance with codes.
- Do not operate water heater if flood damaged.
- High altitude orifice must be installed for operation above 2,000 feet.
- Do not operate if soot buildup.
- Do not obstruct water heater air intake with insulating jacket.
- Do not place chemical vapor emitting products near water heater.
- Gas and carbon monoxide detectors are available.

Breathing carbon monoxide can cause brain damage or death. Always read and understand instruction manual.

CAUTION

Improper installation and use may result in property damage.

- Do not operate water heater if flood damaged.
- Inspect and replace anode.
- Install in location with drainage.
- Fill tank with water before operation.
- Be alert for thermal expansion.

Refer to instruction manual for installation and service.

FOR YOUR SAFETY READ BEFORE LIGHTING

WARNING: If you do not follow these instructions exactly, a fire or explosion may result causing property damage, personal injury or loss of life.

FLAMMABLE

BEFORE OPERATING: ENTIRE SYSTEM MUST BE FILLED WITH WATER AND AIR PURGED FROM ALL LINES.

A. This appliance has a pilot which must be lighted by hand. When lighting the pilot, follow these instructions exactly.

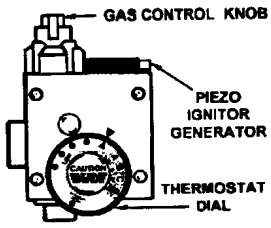
B. **BEFORE LIGHTING** smell all around the appliance area for gas. Be sure to smell next to the floor because some gas is heavier than air and will settle on the floor.

WHAT TO DO IF YOU SMELL GAS:
- Do not try to light any appliance.
- Do not touch any electric switch; do not use any phone in your building.
- Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions.
- If you cannot reach your gas supplier, call the fire department.

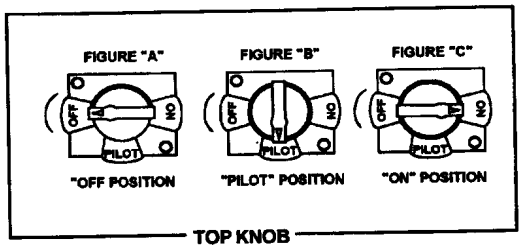
C. Use only your hand to push in or turn the gas control knob. Never use tools. If the knob will not push in or turn by hand, don't try to repair it, call a qualified service technician . Force or attempted repair may result in a fire or explosion.

D. Do not use this appliance if any part has been under water. Immediately call a qualified service technician to inspect the appliance and to replace any part of the control system and any gas control which has been under water.

LIGHTING INSTRUCTIONS



GAS CONTROL



TOP KNOB

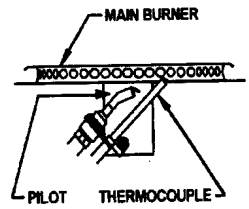


FIGURE "D"

1. STOP! Read the safety information above on this label.
2. Set the thermostat to lowest setting (PILOT LIGHTING). Turn thermostat dial fully clockwise ↷ until it stops.
3. Push the gas control knob down slightly and turn clockwise ↷ to "OFF", SEE FIGURE "A".
   NOTE: Knob CANNOT be turned from "PILOT" to "OFF" unless it is pushed down slightly. Do not force.
4. Remove the outer burner door located below the gas control.
5. Wait five (5) minutes to clear out any gas. If you then smell gas, STOP! Follow "B" in the safety information above on this label. If you don't smell gas, go to next step.
6. This unit is equipped with a push button pilot ignitor, which is used to light the pilot. Locate the ignitor on the gas control.
7. Turn gas control knob counterclockwise ↶ to "PILOT", SEE FIGURE "B".
8. The pilot is located on the right side of the burner. It can be located by looking through the glass view port while pressing the piezo ignitor button several times. Look for a spark at the pilot location, FIGURE "D".
9. Once the pilot has been found, push the gas knob all the way down. Immediately press the pilot ignitor button rapidly (4) to (5) times. If the pilot will not light, repeat step (3) through (9).
10. Continue to hold the gas control knob down for about one (1) minute after the pilot is lit. Release the gas control knob and it will pop back up. Pilot should remain lit. If it goes out, repeat step (3) through (9). It may take several minutes for air to clear the lines before the pilot will light.
    - If knob does not pop up when released, stop and immediately call your service technician or gas supplier.
    - If the pilot will not stay lit after several tries, turn the gas control knob clockwise ↷ to "OFF" and call your service technician or gas supplier. SEE FIGURE "A".
11. Once the pilot flame is established replace the outer burner door.
12. At arms length away, turn gas control knob counterclockwise ↶ to "ON". SEE FIGURE "C".
13. Set thermostat to desired setting.

DANGER: Hotter water increases the risk of scald injury. Consult the instruction manual before changing temperature.

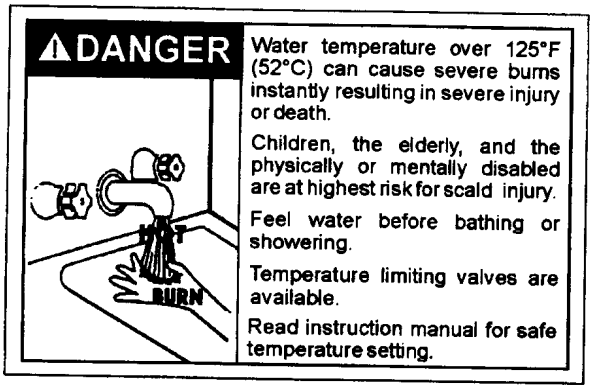
TO TURN OFF GAS TO APPLIANCE

1. Set thermostat to the lowest setting (PILOT LIGHTING).
2. Push gas control knob down slightly and turn clockwise ↷ to "OFF". Do not force. SEE FIGURE "A".

TEMPERATURE REGULATION

Due to the nature of the typical gas water heater, the water temperature in certain situations may vary up to 30F° (16.7 C°) higher or lower at the point of use such as, bathtubs, showers, sink, etc.

Any water heater's intended purpose is to heat water. Hot water is needed for cleansing, cleaning, and sanitizing (bodies, dishes, clothing). Untempered hot water can present a scald hazard. Depending on the time element, and the people involved (adults, children, elderly, infirm, etc.) scalding may occur at different temperatures.


⚠DANGER
Water temperature over 125°F (52°C) can cause severe burns instantly resulting in severe injury or death.
Children, the elderly, and the physically or mentally disabled are at highest risk for scald injury.
Feel water before bathing or showering.
Temperature limiting valves are available.
Read instruction manual for safe temperature setting.
HOT
BURN

HOTTER WATER CAN SCALD: Water heaters are intended to produce hot water. Water heated to a temperature which will satisfy space heating, clothes washing, dish washing, and other sanitizing needs can scald and permanently injure you upon contact. Some people are more likely to be permanently injured by hot water than others. These include the elderly, children, the infirm, or physically/mentally handicapped. If anyone using hot water in your home fits into one of these groups or if there is a local code or state law requiring a certain temperature water at the hot water tap, then you must take special precautions. In addition to using the lowest possible temperature setting that satisfies your hot water needs, a means such as a mixing valve, shall be used at the hot water taps used by these people or at the water heater. Mixing valves are available at plumbing supply or hardware stores, see Figure 2. Follow manufacturer's instructions for installation of the valves. Before changing the factory setting on the thermostat, read the "Temperature Regulation" section in this manual, see Figures 14 and 15.

Never allow small children to use a hot water tap, or to draw their own bath water. Never leave a child or handicapped person unattended in a bathtub or shower.

NOTE: A water temperature range of 120°F-140°F (49°C-60°C) is recommended by most dishwasher manufacturers.

The thermostat of this water heater has been factory set at its lowest position (PILOT LIGHTING). It is adjustable and must be reset to the desired temperature setting to reduce the risk of scald injury. The mark (▲) indicative of approximately 120°F (49°C) is preferred starting point. Some States have a requirement for a lower setting.

Turn the water temperature dial clockwise (↷) to decrease the temperature, or counterclockwise (↶) to increase the temperature.

Should overheating occur or the gas supply fail to shut off, turn off the manual gas control valve to the appliance.

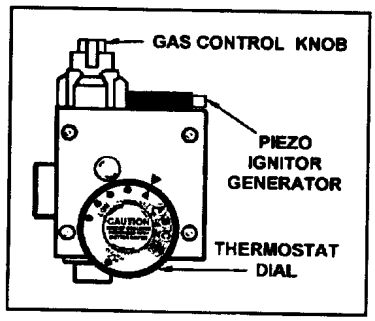


FIGURE 14.

Temperature Settings	Time to Produce 2nd & 3rd Degree Burns on Adult Skin
VERY HOT= approx. 160°F (71°C)	About 1/2 second
C = approx. 150°F (66°C)	About 1-1/2 seconds
B = approx. 140°F (60°C)	Less than 5 seconds
A = approx. 130°F (54°C)	About 30 seconds
▲ = approx. 120°F (49°C)	More than 5 minutes
LOW = approx. 80°F (27°C)	- - - - - - - - - - - - - - -

FIGURE 15.

FOR YOUR INFORMATION

START UP CONDITIONS

DRAFT HOOD OPERATION

Check draft hood operation by performing a worst case depressurization of the building. With all doors and windows closed, and with all air handling equipment and exhaust fans operating such as furnaces, clothes dryers, range hoods and bathroom fans, a match flame should still be drawn into the draft hood of the water heater with its burner firing. If the flame is not drawn toward the draft hood, shut off water heater and make necessary air supply changes to correct.

CONDENSATE

Whenever the water heater is filled with cold water, some condensate will form while the burner is on. A water heater may appear to be leaking when in fact the water is condensation. This usually happens when:

a. A new water heater is filled with cold water for the first time.
b. Burning gas produces water vapor in water heaters, particularly high efficiency models where flue temperatures are lower.
c. Large amounts of hot water are used in a short time and the refill water in the tank is very cold.

Moisture from the products of combustion condense on the cooler tank surfaces and form drops of water which may fall onto the burner or other hot surfaces to produce a "sizzling" or "frying" noise.

Excessive condensation can cause pilot outage due to water running down the flue tube onto the main burner and putting out the pilot.

Because of the suddenness and amount of water, condensation water may be diagnosed as a "tank leak". After the water in the tank warms up (about 1-2 hours), the condition should disappear.

Do not assume the water heater is leaking until there has been enough time for the water in the tank to warm up.

An undersized water heater will cause more condensation. The water heater must be sized properly to meet the family's demands for hot water including dishwashers, washing machines and shower heads.

Excessive condensation may be noticed during the winter and early spring months when incoming water temperatures are at their lowest.

Good venting is essential for a gas fired water heater to operate properly as well as to carry away products of combustion and water vapor.

SMOKE/ODOR

It is not uncommon to experience a small amount of smoke and odor during the initial start-up. This is due to burning off of oil from metal parts, and will disappear in a short while.

THERMAL EXPANSION

CAUTION

Property Damage Hazard

- Avoid water heater damage.
- Install thermal expansion tank or device if necessary.
- Contact qualified installer or service agency.

Water supply systems may, because of such events as high line pressure, frequent cut-offs, the effects of water hammer among others, have installed devices such as pressure reducing valves, check valves, back flow preventers, etc. to control these types of problems. When these devices are not equipped with an internal by-pass, and no other measures are taken, the devices cause the water system to be closed. As water is heated, it expands (thermal expansion) and closed systems do not allow for the expansion of heated water.

The water within the water heater tank expands as it is heated and increases the pressure of the water system. If the relieving point of the water heater's temperature-pressure relief valve is reached, the valve will relieve the excess pressure. **The temperature-pressure relief valve is not intended for the constant relief of thermal expansion.** This is an unacceptable condition and must be corrected. It is recommended that any devices installed which could create a closed system have a by-pass and/or the system have an expansion tank or device to relieve the pressure built by thermal expansion in the water system. Expansion tanks are available for ordering through a local plumbing contractor. Contact the local water heater supplier or service agency for assistance in controlling these situations.

STRANGE SOUNDS

Possible noises due to expansion and contraction of some metal parts during periods of heat-up and cool-down do not necessarily represent harmful or dangerous conditions.

Condensation causes sizzling and popping within the burner area during heating and cooling periods and should be considered normal. See "Condensation" in this section.

OPERATIONAL CONDITIONS

SMELLY WATER

In each water heater there is installed at least one anode rod (see parts sections) for corrosion protection of the tank. Certain water conditions will cause a reaction between this rod and the water. The most common complaint associated with the anode rod is one of a "rotten egg smell" in the hot water. This odor is derived from hydrogen sulfide gas dissolved in the water. The smell is the result of four factors which must all be present for the odor to develop:

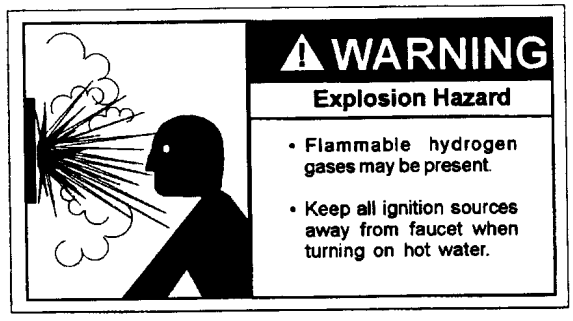
a. A concentration of sulfate in the supply water.
b. Little or no dissolved oxygen in the water.
c. A sulfate reducing bacteria which has accumulated within the water heater (this harmless bacteria is nontoxic to humans).
d. An excess of active hydrogen in the tank. This is caused by the corrosion protective action of the anode.

Smelly water may be eliminated or reduced in some water heater models by replacing the anode(s) with one of less active material, and then chlorinating the water heater tank and all hot water lines. Contact the local water heater supplier or service agency for further information concerning an Anode Replacement Kit and this chlorination treatment.

If the smelly water persists after the anode replacement and chlorination treatment, we can only suggest that chlorination or aeration of the water supply be considered to eliminate the water problem.

Do not remove the anode leaving the tank unprotected. By doing so, all warranty on the water heater tank is voided.

"AIR" IN HOT WATER FAUCETS



⚠ WARNING

Explosion Hazard

- Flammable hydrogen gases may be present.
- Keep all ignition sources away from faucet when turning on hot water.

HYDROGEN GAS: Hydrogen gas can be produced in a hot water system that has not been used for a long period of time (generally two weeks or more). Hydrogen gas is extremely flammable and explosive. To prevent the possibility of injury under these conditions, we recommend the hot water faucet, located farthest away, be opened for several minutes before any electrical appliances which are connected to the hot water system are used (such as a dishwasher or washing machine). If hydrogen gas is present, there will probably be an unusual sound similar to air escaping through the pipe as the hot water faucet is opened. There must be no smoking or open flame near the faucet at the time it is open.

HIGH WATER TEMPERATURE SHUT OFF SYSTEM

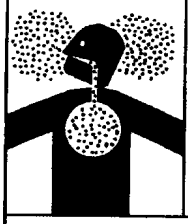
This water heater is equipped with an automatic gas Shut-off system. This system works when high water temperatures are present. Turn "OFF" the entire gas supply to the water heater. The high temperature Shut-off is built into the gas control valve. It is non-resettable. If the high temperature Shut-off activates, the gas control valve must be replaced. Contact your gas supplier or service agency.

PERIODIC MAINTENANCE

VENTING SYSTEM INSPECTION

⚠ WARNING

Breathing Hazard - Carbon Monoxide Gas



- Flue gases may escape if vent pipe is not connected.
- Be alert for obstructed, sooted or deteriorated vent system to avoid serious injury or death.
- Do not store corrosive chemicals in vicinity of water heater.
- Chemical corrosion of flue and vent system can cause serious injury or death.

Breathing carbon monoxide can cause brain damage or death. Always read and understand instruction manual.

At least once a year a visual inspection should be made of the venting system. You should look for:

1. Obstructions which could cause improper venting. The combustion and ventilation air flow must not be obstructed.
2. Damage or deterioration which could cause improper venting or leakage of combustion products.
3. Rusted flakes around top of water heater.

Be sure the vent piping is properly connected to prevent escape of dangerous flue gasses which could cause deadly asphyxiation.

Obstructions and deteriorated vent systems may present serious health risk or asphyxiation.

Chemical vapor corrosion of the flue and vent system may occur if air for combustion contains certain chemical vapors. Spray can propellants, cleaning solvents, refrigerator and air conditioner refrigerants, swimming pool chemicals, calcium and sodium chloride, waxes, bleach and process chemicals are typical compounds which are potentially corrosive.

If after inspection of the vent system you found sooting or deterioration, something is wrong. Call the local gas utility to correct the problem and clean or replace the flue and venting before resuming operation of the water heater.

BURNER INSPECTION

Flood damage to a water heater may not be readily visible or immediately detectable. However, over a period of time a flooded water heater will create dangerous conditions which can cause DEATH, SERIOUS BODILY INJURY, OR PROPERTY DAMAGE. Contact a qualified installer or service agency to replace a flooded water heater. Do not attempt to repair the unit! It must be replaced!

At least once a year a visual inspection should be made of the main burner and pilot burner, see Figure 16.

You should check for sooting. Soot is not normal and will impair proper combustion.

Soot build-up indicates a problem that requires correction before further use. Turn "OFF" gas to water heater and leave off until repairs are made, because failure to correct the cause of the sooting can result in a fire causing death, serious injury, or property damage.

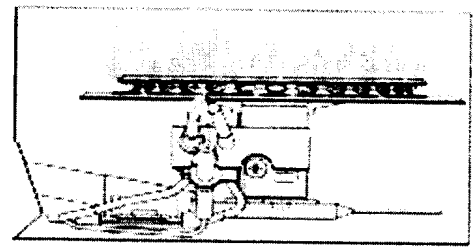


FIGURE 16.

BURNER CLEANING

In the event your burner needs cleaning, follow these instructions:

If inspection of the burner shows that cleaning is required, turn the gas control knob clockwise (↷) to the "OFF" position, depressing slightly.

NOTE: The knob cannot be turned from "PILOT" to "OFF" unless knob is depressed slightly. DO NOT FORCE.

The burner needs to be removed for cleaning. Call a service agency to remove and clean the burner and correct the problem that required the burner to be cleaned.

HOUSEKEEPING

Vacuum around base of water heater for dust, dirt, and lint on a regular basis.

⚠ DANGER

Fire and Explosion Hazard

- Do not obstruct combustion air openings at the bottom of the water heater.
- Do not use or store flammable vapor products such as gasoline, solvents or adhesives in the same room or area near water heater or other appliance.
- Visibly inspect air intake screen at least once every six months and clean if accumulated lint.
- Can cause serious injury or death.

AT LEAST ONCE EVERY SIX MONTHS A VISUAL INSPECTION SHOULD BE MADE OF THE AIR INTAKE SCREEN. CLEAN IF LINT ACCUMULATIONS ARE NOTICED.

INSTALLED IN SUITABLE AREA: To insure sufficient ventilation and combustion air supply, proper clearances from the water heater must be maintained. See "Locating the New Water Heater" section. Combustible materials such as clothing, cleaning materials, or flammable liquids, etc. must not be placed against or adjacent to the water heater which can cause a fire.

ANODE ROD INSPECTION

CAUTION

Property Damage Hazard

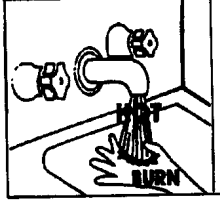
- Avoid water heater damage.
- Inspection and replacement of anode rod required.

The anode rod is used to protect the tank from corrosion. Most hot water tanks are equipped with an anode rod. The submerged rod sacrifices itself to protect the tank. Instead of corroding the tank, water ions attack and eat away the anode rod. This does not affect the water's taste or color. The rod must be maintained to keep the tank in operating condition.

Anode deterioration depends on water conductivity, not necessarily water condition. A corroded or pitted anode rod indicates high water conductivity and should be checked and/or replaced more often than an anode rod that appears to be intact. Replacement of a depleted anode rod can extend the life of your water heater. Inspection should be conducted by a qualified technician, and at a minimum should be checked annually after the warranty period.

TEMPERATURE-PRESSURE RELIEF VALVE OPERATION

⚠DANGER



- Burn hazard
- Hot water discharge.
- Keep clear of relief valve discharge outlet.

The temperature-pressure relief valve must be manually operated at least once a year.

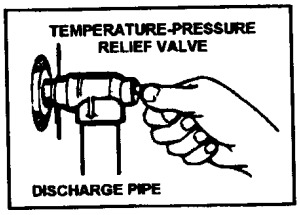


FIGURE 17.

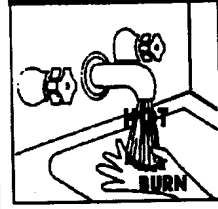
When checking the temperature-pressure relief valve operation, make sure that (1) no one is in front of or around the outlet of the temperature-pressure relief valve discharge line, and (2) that the water discharge will not cause any property damage, as the water may be extremely hot, see Figure 17.

If after manually operating the valve, it fails to completely reset and continues to release water, immediately close the cold water inlet to the water heater, follow the draining instructions, and replace the temperature-pressure relief valve with a new one.

If the temperature-pressure relief valve on the appliance weeps or discharges periodically, this may be due to thermal expansion. You may have a check valve installed in the water line or a water meter with a check valve. Consult your local water supplier or service agency for further information. Do not plug the temperature-pressure relief valve.

DRAINING

⚠DANGER



- Burn hazard
- Hot water discharge.
- Keep hands clear of drain valve discharge.

The water heater should be drained if being shut down during freezing temperatures. Also periodic draining and cleaning of sediment from the tank may be necessary.

1. Turn the gas control knob to the "OFF" position.
2. CLOSE the cold water inlet valve to the water heater.
3. OPEN a nearby hot water faucet and leave open to allow for draining.
4. Connect a hose to the drain valve and terminate to an adequate drain.
5. OPEN the water heater drain valve to allow for tank draining.

   NOTE: If the water heater is going to be shut down and drained for an extended period, the drain valve should be left open with hose connected allowing water to terminate to an adequate drain.
6. CLOSE the drain valve.
7. Follow instructions in the "Filling The Water Heater" section.
8. Follow the lighting instructions on the label or see page 14 under "Lighting Instructions" to restart the water heater.

DRAIN VALVE WASHER REPLACEMENT

(See Figure 18)

1. Turn "OFF" gas supply to water heater.
2. Follow "Draining" instructions.
3. Turning counterclockwise (↶), remove the hex cap below the screw handle.
4. Remove the washer and put the new one in place.
5. Screw the handle and cap assembly back into the drain valve and retighten using a wrench. DO NOT OVER TIGHTEN.
6. Follow instructions in the "Filling The Water Heater" section.
7. Check for leaks.

8. Follow the lighting instructions in the "Lighting" section to restart the water heater.

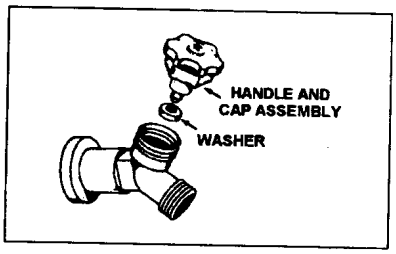


FIGURE 18.

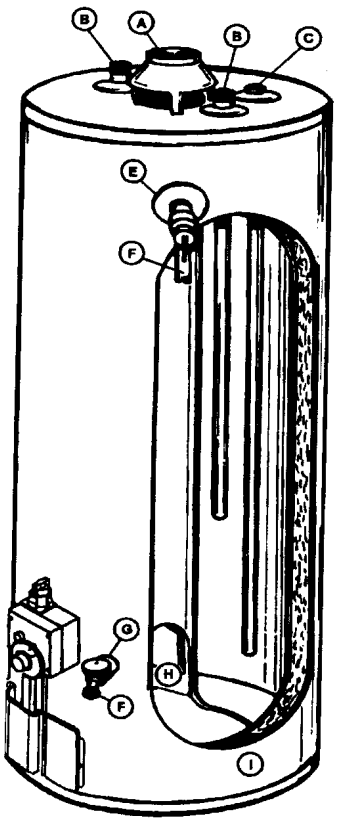
SERVICE

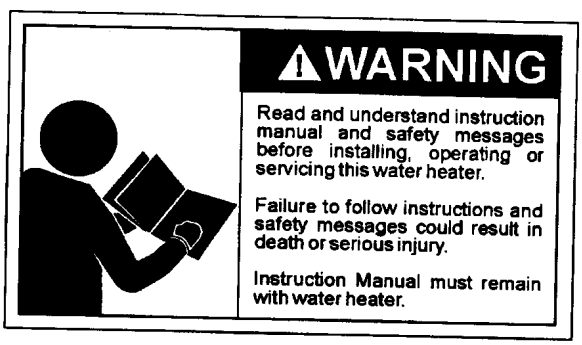
If a condition persists or you are uncertain about the operation of the water heater contact a service agency.

Use this guide to check a "Leaking" water heater. Many suspected "Leakers" are not leaking tanks. Often the source of the water can be found and corrected.

If you are not thoroughly familiar with gas codes, your water heater, and safety practices, contact your gas supplier or qualified installer to check the water heater.

LEAKAGE CHECKPOINTS




⚠WARNING
Read and understand instruction manual and safety messages before installing, operating or servicing this water heater.
Failure to follow instructions and safety messages could result in death or serious injury.
Instruction Manual must remain with water heater.

Read this manual first. Then before checking the water heater make sure the gas supply has been turned "OFF", and never turn the gas "ON" before the tank is completely full of water.

Never use this water heater unless it is completely filled with water. To prevent damage to the tank, the tank must be filled with water. Water must flow from the hot water faucet before turning "ON" gas to the water heater.

A. Water at the draft hood is water vapor which has condensed out of the combustion products. This is caused by a problem in the vent. Contact the gas utility.

B. *Condensation may be seen on pipes in humid weather or pipe connections may be leaking.

C. *The anode rod fitting may be leaking.

D. Small amounts of water from temperature-pressure relief valve may be due to thermal expansion or high water pressure in your area.

E. *The temperature-pressure relief valve may be leaking at the tank fitting.

F. Water from a drain valve may be due to the valve being slightly opened.

G. *The drain valve may be leaking at the tank fitting.

H. Combustion products contain water vapor which can condense on the cooler surfaces of the tank. Droplets form and drip onto the burner or run on the floor. This is common at the time of start-up after installation and when incoming water is cold.

I. Water in the water heater bottom or on the floor may be from condensation, loose connections, or the relief valve. DO NOT replace the water heater until a full inspection of all possible water sources is made and necessary corrective steps taken.

Leakage from other appliances, water lines, or ground seepage should also be checked.

* To check where threaded portion enters tank, insert cotton swab between jacket opening and fitting. If cotton is wet, follow "Draining" instructions in the "Periodic Maintenance" section and then remove fitting. Put pipe dope or teflon tape on the threads and replace. Then follow "Filling the Water Heater" instructions in the "Installing the New Water Heater" section.

TROUBLESHOOTING GUIDELINES

These guidelines should be utilized by a qualified service agent. When calling for service notify the service agent that this is a "Flammable Vapor Ignition Resistant" Product.

Problem	Cause	Solution
WATER LEAKS	Improperly sealed, hot or cold supply connection, relief valve, drain valve, or thermostat threads.	Tighten threaded connections.
	Leakage from other appliances or water lines.	Inspect other appliances near water heater.
	Condensation of flue products.	Refer to CONDENSATE.
LEAKING T&P VALVE	Thermal expansion in closed water system.	Install thermal expansion tank (DO NOT plug T&P valve).
	Improperly seated valve.	Check relief valve for proper operation (DO NOT plug T&P valve).
SMELLY ODORS	High sulfate or mineral content in water supply.	Drain and flush heater thoroughly, then refill.
	Bacteria in water supply.	Chlorinate or aerate water supply.
PILOT WILL NOT LIGHT	Gas control knob not positioned correctly.	Refer to LIGHTING INSTRUCTIONS.
	Main gas supply off.	Turn on main gas Shut-off valve.
	Igniter tip more than 1/8" from pilot hood.	Adjust ignitor tip.
	Thermocouple malfunction.	Replace pilot assembly.
	Thermocouple TCO malfunction.	Replace pilot assembly.
	Melted insulation on ignitor wire or shorting of ignitor wire.	Contact a service agency to determine cause.
	High ambient room temperature.	Contact a service agency to determine cause.
	Wire disconnected from spark ignitor.	Reconnect wire connector to spark ignitor.
	Broken electrode or electrical wire.	Replace pilot assembly.
	Piezo Ignitor generator fails to operate or malfunctions.	Replace Piezo Ignitor generator.
BURNER WILL NOT STAY LIT	Thermocouple TCO malfunction.	Replace pilot assembly.
	High ambient room temperature.	Contact a service agency to determine cause.
	Dirty or clogged air intake screen.	Clean and reinstall air intake screen.
	Flame arrestor openings blocked.	Contact a service agency to determine cause.
	Defective Gas Control.	Replace Gas Control.
PILOT OUTAGE	Dirty pilot burner.	Clean pilot assembly.
	Dirty or clogged air intake screen.	Clean and reinstall air intake screen.
	Thermocouple tip is not in contact with pilot flame.	Insert thermocouple correctly.
	Thermocouple malfunction.	Replace pilot assembly.
	Thermocouple TCO malfunction.	Replace pilot assembly.
	Defective Gas Control.	Replace Gas Control.
NOT ENOUGH HOT WATER	Heater not lit or thermostat not on.	Refer to LIGHTING INSTRUCTIONS.
	Thermostat set too low.	Refer to TEMPERATURE REGULATION.
	Heater undersized.	Reduce hot water use.
	Low gas pressure.	Contact your gas supplier.
	Incoming water is unusually cold.	Allow more time for heater to re-heat.
	Leaking hot water pipes or fixtures.	Have plumber check and repair leaks.
	High temperature limit switch activated.	Contact a service agency to determine cause.
WATER TOO HOT	Thermostat set too high.	Refer to TEMPERATURE REGULATION.
WATER HEATER SOUNDS	Condensation dripping on burner.	Refer to CONDENSATE above.
SIZZLING - RUMBLING	Sediment or calcium in bottom of heater tank.	Clean sediment from tank. Refer to DRAINING instructions in Maintenance section of manual.
SOOTING	Improper combustion.	No adjustment available. Contact a service agency to determine cause.
VENT GAS ODORS	Lack of supply air.	Contact a service agency to determine cause.
	Improperly installed vent piping.	
	Downdraft.	
	Poor combustion.	

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Dishwasher - GE

GSD Models
- 1000
- 1200
- 1900
- 2000
- 2001
- 2200
- 2201
- 2600
- 2700
- 3200
- 3400
- 3500
- 3600
- 3700
- 3800
- 3900
- 4000
- 4200
- 4500
- 5400
- 5500
- 6000
- 5700
- 5900
- 6100
- 6200
- 6300
- 6500
- 6600
- 6700
- 6760
- 6800
- 6900

PDW Models
- 7300
- 7380
- 7700
- 7800
- 7880
- 8000
- 8060
- 8100
- 8200
- 8280
- 8400
- 8480
- 8500
- 8600
- 8700
- 8800
- 8880
- 9200
- 9280
- 9700
- 9800
- 9880

Other Models
- EDW 3000
- EDW 4000
- EDW 4060
- GHDA 960
- GHDA 980
- GSS 1800
- GSS 2000
- SSD 4900

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

⚠ WARNING!

For your safety, the information in this manual must be followed to minimize the risk of fire or explosion, electric shock, or to prevent property damage, personal injury, or death.

WATER HEATER SAFETY

Under certain conditions hydrogen gas may be produced in a water heater that has not been used for two weeks or more. ***HYDROGEN GAS IS EXPLOSIVE.***

If the hot water has not been used for two weeks or more, prevent the possibility of damage or injury by turning on all hot water faucets and allow them to run for several minutes. Do this before using any electrical appliance which is connected to the hot water system. This simple procedure will allow any built-up hydrogen gas to escape. Since the gas is flammable, do not smoke or use an open flame or appliance during this process.

Use this appliance only for its intended purpose as described in this Owner's Manual.

PROPER INSTALLATION AND MAINTENANCE

This dishwasher must be properly installed and located in accordance with the Installation Instructions before it is used. If you did not receive an Installation Instructions sheet with your dishwasher, you can receive one by visiting our website at ***GEAppliances.com.***

- Connect to a grounded metal, permanent wiring system; or run an equipment-grounding conductor with the circuit conductors and connect to the equipment-grounding terminal or lead of the appliance.
- Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or service representative if you are in doubt whether the appliance is properly grounded.
- Use supply conductors rated at least 75°C (167°F).
- Dispose of discarded appliances and shipping or packing material properly.
- Do not attempt to repair or replace any part of your dishwasher unless it is specifically recommended in this manual. All other servicing should be referred to a qualified technician.
- To minimize the possibility of electric shock, disconnect this appliance from the power supply before attempting any maintenance. ***NOTE:*** Turning the dishwasher off does not disconnect the appliance from the power supply. We recommend having a qualified technician service your appliance.

⚠ WARNING!

DO NOT...

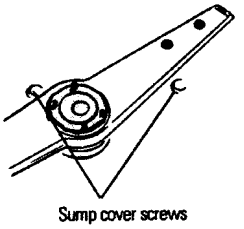
- Do not tamper with controls.
- Do not abuse, sit on, or stand on the door or dish rack of the dishwasher.
- Do not discard a dishwasher without first removing the door of the washing compartment.
- Do not store or use combustible materials, gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.
- Do not allow children to play around dishwasher when opening or closing door due to the possibility of small fingers being pinched in door.
- Do not allow children to play with, on or around this appliance or any discarded appliance.

Caring for the dishwasher.

GEAppliances.com

To clean the control panel use a lightly dampened cloth then dry thoroughly. To clean the exterior use a good appliance polish.

Never use sharp object, scouring pads or harsh cleaners on any part of the dishwasher.

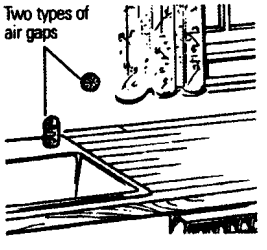


Sump cover screws

Protect Against Freezing

If your dishwasher is left in an unheated place during the winter, ask a service technician to:

1. Cut off electrical power to the dishwasher. Remove fuses or trip circuit breaker.
2. Turn off the water supply and disconnect the water inlet line from the water valve.
3. Drain water from the inlet line and water valve. (Use a pan to catch the water.)
4. Reconnect the water inlet line to the water valve.
5. Remove the plastic sump cover in the tub bottom and use a sponge to soak up water in the rubber boot.



Check the air gap any time your dishwasher isn't draining well.

Does Your Dishwasher Have an Air Gap?

An air gap protects your dishwasher against water backing up into it if a drain clogs. The air gap is not a part of the dishwasher. It is not covered by your warranty. Not all plumbing codes require air gaps, so you may not have one.

The air gap is easy to clean.

1. Turn off the dishwasher and lift off the chrome cover.
2. Unscrew the plastic cap and clean with a toothpick.

Before you call for service...

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Troubleshooting Tips
*Save time and money! Review the charts on the following pages, or visit **GEAppliances.com**. You may not need to call for service.*

Problem	Possible Causes	What To Do
Dishwasher won't run	Fuse is blown, or the circuit breaker tripped	• Replace fuse or reset circuit breaker. Remove any other appliances from the circuit.
Noise	Some of the sounds you'll hear are normal	• Soft food disposal shredding action. • Drain valve opening to pump water out. • Timer control as cycle progresses. • Detergent cup opening. • The motor stopping during the drying period.
	Utensils are not secure in the rack or something small has dropped into the rack	• Make sure everything is secured in dishwasher.
	Motor hums	• Dishwasher has not been used on a regular basis. If you do not use your dishwasher often, set it to fill and pump out once every week. This will help keep the seal moist and the garbage disposer clear.
Water standing in the bottom of the tub	This is normal	• A small amount of clean water around the outlet on the tub bottom at the back of the tub keeps the water seal lubricated.
Water won't pump out of the tub	Drain is clogged	• If you have an air gap, clean it. • Check to see if your kitchen sink is draining well. If not, you may need a plumber. • If the dishwasher drains into a disposer, run disposer clear.
Suds in the tub	Correct detergent wasn't used	• Use only automatic dishwasher detergents to avoid sudsing. Cascade®, Cascade® Complete and Electrasol® Automatic Dishwashing Detergents have been approved for use in all GE dishwashers. • To remove suds from the tub, open the dishwasher and let suds evaporate. Add 1 gallon of cold water to the tub. Close and latch the dishwasher. Pump out water by slowly turning the Dial until a drain period is reached. Repeat if necessary.
	Rinse agent was spilled	• Always wipe up rinse agent spills immediately.
Stained tub interior	Detergent with colorant was used	• Some detergents contain colorant (pigment or dyes) that will discolor the tub interior with extended use. Check the detergent cup for signs of any discoloration. If cup is discolored, change to detergent without any colorant. Cascade®, Cascade® Complete and Electrasol® Automatic Dishwashing Detergents have been approved for use in all GE dishwashers.
	Some tomato-based foods can stain	• Use of the ***RINSE ONLY*** cycle (on some models) after adding the dish to the load can decrease the level of staining.
Dishes don't dry	Low inlet water temperature	• Make sure inlet water temperature is correct.
	Rinse agent dispenser is empty	• Check the rinse agent dispenser.

Before you call for service...

Problem	Possible Causes	What To Do
Dishes and flatware not clean	**Inlet water temperature is below 120°F.**	• Raise the water heater temperature to 120°F. • Use the ***HOT START*** feature.
	Water pressure is temporarily low	• Turn on a faucet. Is water coming out more slowly than usual? If so, wait until pressure is normal before using your dishwasher.
	Air gap is clogged	• Clean the air gap.
	Improper rack loading	• Make sure large dishware does not block the detergent dispenser or the wash arm.
Spots and filming on glasses and flatware	**Extremely hard water** **Low inlet water temperature** **Overloading the dishwasher** **Improper loading** **Old or damp powder detergent** **Rinse agent dispenser empty** **Too little detergent**	• Use ***Jet-Dry®*** rinse agent to remove spots and prevent new film build-up. • To remove stubborn spots and pre-existing film from glassware: ***1*** Remove all metal utensils from the dishwasher. ***2*** Do not add detergent. ***3*** Select the longest cycle. ***4*** Start the dishwasher and allow to run for 18 to 22 minutes. Dishwasher will now be in the main wash. ***5*** Open the door and pour 2 cups (500 ml) of white vinegar into the bottom of the dishwasher. ***6*** Close the door and allow to complete the cycle. If vinegar rinse doesn't work: Repeat as above, except use 1/4 cup (60 ml) of citric acid crystals instead of vinegar.
Cloudiness on glassware	**Combination of soft water and too much detergent**	• This is called *etching* and is permanent. To prevent this from happening, use less detergent if you have soft water. Wash glassware in the shortest cycle that will get them clean.
	Water temperature entering the dishwasher exceeds 150°F.	• Lower the water heater temperature.
Yellow or brown film on tub	**Tea or coffee stains**	• Remove the stain by hand, using a solution of 1/2 cup bleach and 3 cups warm water. ***⚠ WARNING*** Before cleaning interior, wait at least 20 minutes after a cycle for the heating element to cool down. Failure to do so can result in burns.
	An overall yellow or brown film can be caused by iron deposits in water	• A special filter in the water supply line is the only way to correct this problem. Contact a water softener company.
White film on inside surfaces	**Hard water minerals**	• To clean the interior, apply dishwasher detergent to a damp sponge. Wear rubber gloves. ***Do not*** use any type of cleanser other than dishwasher detergent because it may cause foaming or sudsing. Cascade®, Cascade® Complete and Electrasol® Dishwashing Detergents have been approved for use in all GE dishwashers.
Detergent cup lid won't latch	**Dial is not in the *OFF* position**	• Turn the Dial to ***OFF*** and slide the door latch to the left.
Detergent left in dispenser cups	**Dishes are blocking the detergent cups**	• Reposition the dishes.
Steam	**This is normal**	• Steam comes through the vent by the door latch during drying and when water is being pumped out.
Black or gray marks on dishes	**Aluminum utensils have rubbed against dishes**	• Remove marks with a mild, abrasive cleaner.

GE Dishwasher Warranty.

All warranty service provided by our Factory Service Centers, or an authorized Customer Care® technician. To schedule service, on-line, 24 hours a day, visit us at GEAppliances.com, or call 800.GE.CARES (800.432.2737).

Staple your receipt here. Proof of the original purchase date is needed to obtain service under the warranty.

For The Period Of:	GE Will Replace:
One Year *From the date of the original purchase*	***Any part*** of the dishwasher which fails due to a defect in materials or workmanship. During this ***full one-year warranty,*** GE will also provide, ***free of charge,*** all labor and in-home service to replace the defective part.
Second Year *From the date of the original purchase*	***Any part*** of the ***Water Distribution System*** which fails due to a defect in materials or workmanship. Associated inlet and drain plumbing parts are not covered by this warranty. During this ***second-year limited warranty,*** you will be responsible for any labor or in-home service costs.
Ten Years *From the date of the original purchase*	***The PermaTuf® tub or door liner,*** if it fails to contain water due to a defect in materials or workmanship. During this ***full warranty,*** GE will also provide, ***free of charge,*** all labor and in-home service to replace the defective part.

What Is Not Covered:

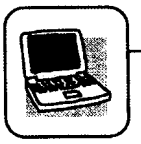
- **Service trips to your home to teach you how to use the product.**
- **Improper installation.**
- **Failure of the product if it is abused, misused, or used for other than the intended purpose or used commercially.**
- **Replacement of house fuses or resetting of circuit breakers.**
- **Damage to the product caused by accident, fire, floods or acts of God.**
- **Incidental or consequential damage caused by possible defects with this appliance.**
- **Cleaning or servicing of the air gap device in the drain line.**

This warranty is extended to the original purchaser and any succeeding owner for products purchased for home use within the USA. In Alaska, the warranty excludes the cost of shipping or service calls to your home.

Some states do not allow the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

Warrantor: General Electric Company. Louisville, KY 40225

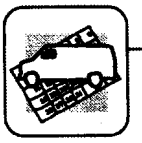
Consumer Support.



GE Appliances Website

GEAppliances.com

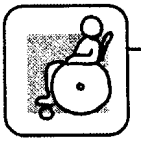
Have a question or need assistance with your appliance? Try the GE Appliances Website 24 hours a day, any day of the year! For greater convenience and faster service, you can now download Owner's Manuals, order parts, catalogs, or even schedule service on-line. You can also "Ask Our Team of Experts™" your questions, and so much more...



Schedule Service

GEAppliances.com

Expert GE repair service is only one step away from your door. Get on-line and schedule your service at your convenience 24 hours any day of the year! Or call 800.GE.CARES (800.432.2737) during normal business hours.



Real Life Design Studio

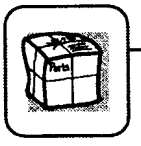
GEAppliances.com

GE supports the Universal Design concept—products, services and environments that can be used by people of all ages, sizes and capabilities. We recognize the need to design for a wide range of physical and mental abilities and impairments. For details of GE's Universal Design applications, including kitchen design ideas for people with disabilities, check out our Website today. For the hearing impaired, please call 800.TDD.GEAC (800.833.4322).

Extended Warranties

GEAppliances.com

Purchase a GE extended warranty and learn about special discounts that are available while your warranty is still in effect. You can purchase it on-line anytime, or call 800.626.2224 during normal business hours. GE Consumer Home Services will still be there after your warranty expires.



Parts and Accessories

GEAppliances.com

Individuals qualified to service their own appliances can have parts or accessories sent directly to their homes (VISA, MasterCard and Discover cards are accepted). Order on-line today, 24 hours every day or by phone at 800.626.2002 during normal business hours.

Instructions contained in this manual cover procedures to be performed by any user. Other servicing generally should be referred to qualified service personnel. Caution must be exercised, since improper servicing may cause unsafe operation.

Contact Us

GEAppliances.com

If you are not satisfied with the service you receive from GE, contact us on our Website with all the details including your phone number, or write to: General Manager, Customer Relations
GE Appliances, Appliance Park
Louisville, KY 40225

Register Your Appliance

GEAppliances.com

Register your new appliance on-line—at your convenience! Timely product registration will allow for enhanced communication and prompt service under the terms of your warranty, should the need arise. You may also mail in the pre-printed registration card included in the packing material.

Electric Range - GE

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

⚠ *WARNING!*

For your safety, the information in this manual must be followed to minimize the risk of fire or explosion, electric shock, or to prevent property damage, personal injury, or loss of life.

⚠ *WARNING ANTI-TIP DEVICE*

All ranges can tip and injury could result.

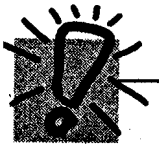
To prevent accidental tipping of the range, attach it to the wall by installing the Anti-Tip device supplied.

If the Anti-Tip device supplied with the range does not fit this application, use the universal Anti-Tip device WB2X7909.

To check if the device is installed and engaged properly, carefully tip the range forward. The Anti-Tip device should engage and prevent the range from tipping over.

If you pull the range out from the wall for any reason, make sure the device is properly engaged when you push the range back against the wall. If it is not, there is a possible risk of the range tipping over and causing injury if you or a child stand, sit or lean on an open door.

Please refer to the Anti-Tip device information in this manual. Failure to take this precaution could result in tipping of the range and injury.



IMPORTANT SAFETY NOTICE

The California Safe Drinking Water and Toxic Enforcement Act requires the Governor of California to publish a list of substances known to the state to cause cancer, birth defects or other reproductive harm, and requires businesses to warn customers of potential exposure to such substances.

The fiberglass insulation in self-clean ovens gives off a very small amount of carbon monoxide during the cleaning cycle. Exposure can be minimized by venting with an open window or using a ventilation fan or hood.

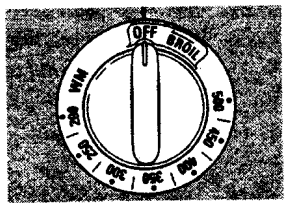
Adjust the oven thermostat–Easy to do yourself!

GEAppliances.com

You may find that your new oven cooks differently than the one it replaced. Use your new oven for a few weeks to become more familiar with it. If you still think your new oven is too hot or too cold, you can adjust the thermostat yourself.

Do not use thermometers, such as those found in grocery stores, to check the temperature setting of your oven. These thermometers may vary 20–40°F.

***NOTE:** This adjustment will not affect the broiling or the self-cleaning temperatures (on some models). The adjustment will be retained in memory after a power failure.*



Front of OVEN TEMP knob (knob appearance may vary)

Back of OVEN TEMP knob

To Adjust the Thermostat with this Type of Knob

1. Pull the Oven Temp knob off the shaft, look at the back of the knob and note the current setting ***before*** making any adjustments.
2. Loosen both screws on the back of the knob.
3. To ***increase*** the oven temperature, move the pointer toward the words ***"MAKE HOTTER."***

   To ***decrease*** the oven temperature, turn the pointer toward the words ***"MAKE COOLER."***

   Each notch changes the temperature by 10°F.
4. Tighten the screws.
5. Replace the knob, matching the flat area of the knob to the shaft.

To Adjust the Thermostat on Other Models

1. Touch the ***BAKE*** and ***BROIL HI/LO*** pads at the same time for 2 seconds until the display shows ***SF.***
2. Touch the ***BAKE*** pad. A two digit number shows in the display.
3. The oven temperature can be adjusted up to (+) 35°F hotter or (–) 35°F cooler. Touch the + pad to increase the temperature in 1 degree increments.

   Touch the – pad to decrease the temperature in 1 degree increments.
4. When you have made the adjustment, touch the ***START/ON*** pad to go back to the time of day display. Use your oven as you would normally.

***NOTE:** This adjustment will not affect the broiling or self-cleaning temperatures. It will be retained in memory after a power failure.*

The type of margarine will affect baking performance!

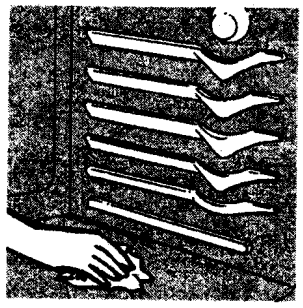
Most recipes for baking have been developed using high fat products such as butter or margarine (80% fat). If you decrease the fat, the recipe may not give the same results as with a higher fat product.

Recipe failure can result if cakes, pies, pastries, cookies or candies are made with low fat spreads. The lower the fat content of a spread product, the more noticeable these differences become.

Federal standards require products labeled "margarine" to contain at least 80% fat by weight. Low-fat spreads, on the other hand, contain less fat and more water. The high moisture content of these spreads affects the texture and flavor of baked goods. For best results with your old favorite recipes, use margarine, butter or stick spreads containing at least 70% vegetable oil.

Using the self-cleaning oven. *(on some models)*

Never force the latch handle. Forcing the handle will damage the door lock mechanism.
The oven door must be closed and all controls set correctly for the cycle to work properly.



Wipe up heavy soil on the oven bottom.

Before a Clean Cycle

For the first self-clean cycle, we recommend venting your kitchen with an open window or using a ventilation fan or hood.

Remove the shelves, broiler pan, broiler grid, all cookware and any aluminum foil from the oven.

The oven shelves can be self-cleaned, but they will darken, lose their luster and become hard to slide.

Do not use commercial oven cleaners or oven protectors in or near the self-cleaning oven. A combination of any of these products plus the high clean cycle temperatures may damage the porcelain finish of the oven.

Soil on the front frame of the range and outside the gasket on the door will need to be cleaned by hand. Clean these areas with hot water, soap-filled steel-wool pads or cleansers such as Soft Scrub®
Rinse well with clean water and dry.

Do not clean the gasket. The fiberglass material of the oven door gasket cannot withstand abrasion. It is essential for the gasket to remain intact. If you notice it becoming worn or frayed, replace it.

Wipe up any heavy spillovers on the oven bottom.

Make sure the oven light bulb cover is in place and the oven light is off.

CAUTION: ***The grates and drip pans (on some models) should never be cleaned in the self-cleaning oven.***

Do not use commercial oven cleaners or oven protectors in or near the self-cleaning oven. A combination of any of these products plus the high clean cycle temperatures may damage the porcelain finish of the oven.

IMPORTANT: The health of some birds is extremely sensitive to the fumes given off during the self-cleaning cycle of any range. Move birds to another well ventilated room.

How to Set the Oven for Cleaning

Follow the directions in the *Before a Clean Cycle* section.

1. Latch the door.

NOTE: Never force the latch. If the oven is too hot, you will not be able to slide the latch. Allow the oven to cool.

2. Touch the ***SELF CLEAN*** pad.
3. Touch the + or – pads until the desired Clean Time is displayed.

The Clean Time is normally 4 hours and 20 minutes. You can change the Clean Time to any time between 3 and 5 hours, depending on the amount of soil in your oven.

4. Touch the ***START/ON*** pad.

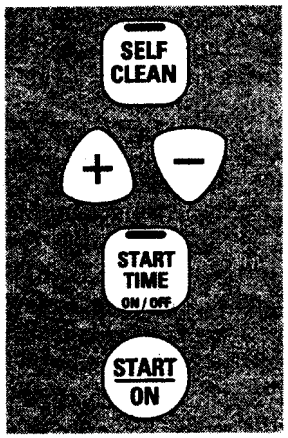
The self-clean cycle will automatically begin after ***CLEAN*** is displayed and the time countdown appears in the display.

While the oven is self-cleaning, you can touch the ***CLOCK*** pad to display the time of day. To return to the clean countdown, touch the ***SELF CLEAN*** pad.

The oven shuts off automatically when the clean cycle is complete, and 0:00 will flash in the display.

5. Slide the latch handle to the left as far as it will go and open the door.

The oven door must be closed and all controls set correctly for the cycle to work properly.



How to Delay the Start of Cleaning

You can set the oven control to delay-start the oven, clean for a specific length of time and then turn off automatically.

Make sure the clock shows the correct time of day.

Follow the directions in the ***Before a Clean Cycle*** section.

1. Latch the door.

NOTE: Never force the latch. If the oven is too hot, you will not be able to slide the latch. Allow the oven to cool.

2. Touch the ***SELF CLEAN*** pad.
3. Touch the + or – pads to set the Clean Time.

The Clean Time is preset for 4 hours and 20 minutes. You can change the Clean Time to any time between 3 and 5 hours, depending on the amount of soil in your oven. If a different Clean Time is desired, touch the + or – pads until the desired Clean Time is displayed.

4. Touch the ***START TIME*** pad.

Change the Start Time by touching the + or – pads. The start time will appear in the display.

5. Touch the ***START/ON*** pad.

The self-clean cycle will automatically begin at the time set.

While the oven is self-cleaning, you can touch the ***CLOCK*** pad to display the time of day. To return to the clean countdown, touch the ***SELF CLEAN*** pad.

The oven shuts off automatically when the clean cycle is complete, and 0:00 will flash in the display.

6. Slide the latch handle to the left as far as it will go and open the door.

To Stop a Clean Cycle

Touch the ***CLEAR/OFF*** pad.

Wait until the oven has cooled below the locking temperature to unlatch the door. You will not be able to open the door right away unless the oven has cooled below the locking temperature.

After a Clean Cycle

You cannot set the oven for cooking until the oven is cool enough for the door to be unlatched.

You may notice some white ash in the oven. Wipe it up with a damp cloth after the oven cools.

If white spots remain, remove them with a soap-filled steel-wool pad and rinse thoroughly with a vinegar and water mixture.

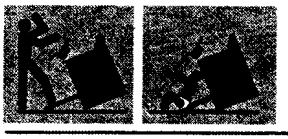
These deposits are usually a salt residue that cannot be removed by the clean cycle.

If the oven is not clean after one clean cycle, repeat the cycle.

- You cannot set the oven for cooking until the oven is cool enough for the door to unlock.
- While the oven is self-cleaning, you can touch the ***CLOCK*** pad to display the time of day. To return to the clean countdown, touch the ***COOKING TIME*** pad.
- If the shelves become hard to slide, apply a small amount of vegetable oil or cooking oil to a paper towel and wipe the edges of the oven shelves with the paper towel.

Care and cleaning of the range.

Be sure electrical power is off and all surfaces are cool before cleaning any part of the range.



If your range is removed for cleaning, servicing or any reason, be sure the anti-tip device is re-engaged properly when the range is replaced. Failure to take this precaution could result in tipping of the range and cause injury.

Oven Interior *(non-self clean models)*

With proper care, the porcelain enamel finish on the inside of the oven—top, bottom, sides, back and inside of the door—will stay new-looking for years.

Let the range cool before cleaning. We recommend that you wear rubber gloves when cleaning the range.

Soap and water will normally do the job. Heavy spattering or spillovers may require cleaning with a mild abrasive cleaner. Soap-filled scouring pads may also be used.

Do not allow food spills with a high sugar or acid content (such as milk, tomatoes, sauerkraut, fruit juices or pie filling) to remain on the surface. They may cause a dull spot even after cleaning.

Household ammonia may make the cleaning job easier. Place 1/2 cup in a shallow glass or pottery container in a cold oven overnight. The ammonia fumes will help loosen the burned-on grease and food.

If necessary, you may use an oven cleaner. Follow the package directions.

Do not spray oven cleaner on the electrical controls and switches because it could cause a short circuit and result in sparking or fire.

Do not allow a film from the cleaner to build up on the temperature sensor–it could cause the oven to heat improperly. (The sensor is located at the top of the oven.) Carefully wipe the sensor clean after each oven cleaning, being careful not to move the sensor as a change in its position could affect how the oven bakes.

Do not spray any oven cleaner on the oven door, handles or any exterior surface of the oven, cabinets or painted surfaces. The cleaner can damage these surfaces.

Lift the door straight up and off the hinges.

The gasket is designed with a gap at the bottom to allow for proper air circulation.

Because the area inside the gasket is cleaned during the self-clean cycle, you do not need to clean this by hand on self-clean models.

The area outside the gasket and the front frame can be cleaned with a soap-filled steel-wool pad, hot water and detergent. Rinse well with a vinegar and water solution.

Do not rub or clean the door gasket–it has an extremely low resistance to abrasion.

If you notice the gasket becoming worn, frayed or damaged in any way, or if it has become displaced on the door, you should have it replaced.

Lift-Off Oven Door

The oven door is removable for cleaning.

Do not lift the door by the handle. Make sure the oven is completely cool.

To remove the door, open it to the special stop position. Grasp firmly on each side and lift the door straight up and off the hinges.

Do not place hands between the hinge and the oven door frame.

To replace the door, make sure the hinges are in the special stop position. Position the slots in the bottom of the door squarely over the hinges and slowly lower it over both hinges.

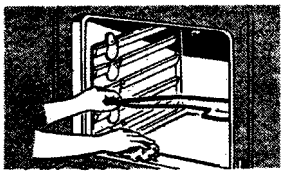
To clean the inside of the door:

- Do not allow excess water to run into any holes or slots in the door.
- Soap and water will normally do the job. Heavy spattering or spillovers may require cleaning with a mild abrasive cleaner. Soap-filled, steel-wool pads may also be used.

Do not allow food spills with a high sugar or acid content (such as milk, tomatoes, sauerkraut, fruit juices or pie filling) to remain on the surface. They may cause a dull spot even after cleaning.

To clean the outside of the door:

- Use soap and water to thoroughly clean the top, sides and front of the oven door. Rinse well. You may also use a glass cleaner to clean the glass on the outside of the door. Do not let water drip into the vent openings.
- Spillage of marinades, fruit juices, tomato sauces and basting materials containing acids may cause discoloration and should be wiped up immediately. When surface is cool, clean and rinse.
- Do not use oven cleaners, cleaning powders or harsh abrasives on the outside of the door.



Oven Heating Elements

Do not clean the bake element or the broil element. Any soil will burn off when the elements are heated.

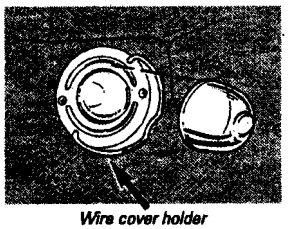
To clean the oven floor, gently lift the bake element. Clean with warm soapy water.

Oven Shelves

Clean the oven shelves with an abrasive cleanser or scouring pad. After cleaning, rinse the shelves with clean water and dry with a clean cloth.

NOTE: Take the shelves out of the oven before you begin the self-clean cycle or they may discolor.

To make the shelves slide more easily, apply a small amount of vegetable oil or cooking oil to a paper towel and wipe the edges of the oven shelves with the paper towel.



Wire cover holder

Oven Light Replacement *(on some models)*

CAUTION: *Before replacing your oven light bulb, turn the oven light off and disconnect the electrical power to the range at the main fuse or circuit breaker panel.*

Be sure to let the light cover and bulb cool completely.

To remove the cover:

1. Hold a hand under the cover so it doesn't fall when released. With fingers of the same hand, firmly push back the wire cover holder. Lift off the cover.

   Do not remove any screws to remove the cover.

2. Replace bulb with a 40-watt household appliance bulb.

To replace the cover:

1. Place it into groove of the light receptacle. Pull wire forward to the center of the cover until it snaps into place.
2. Connect electrical power to the range.

Care and cleaning of the range.

After broiling, remove the broiler pan from the oven.

Broiler Pan & Grid

Do not clean the broiler pan or grid in a self-cleaning oven.

After broiling, remove the broiler pan from the oven. Remove the grid from the pan. Carefully pour out the grease from the pan into a proper container.

Wash and rinse the broiler pan and grid in hot water with a soap-filled or plastic scouring pad.

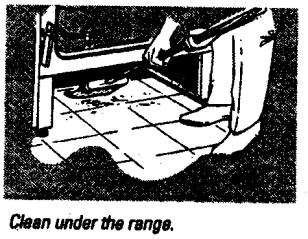
If food has burned on, sprinkle the grid with detergent while hot and cover with wet paper towels or a dishcloth. Soaking the pan will remove burned-on foods.

The broiler pan may be cleaned with a commercial oven cleaner. If the grid is grey enamel, it can also be cleaned with an oven cleaner.

Both the broiler pan and grid can also be cleaned in the dishwasher.

Do not store a soiled broiler pan and grid anywhere in the range.

⚠ CAUTION: *Do not clean the broiler pan or grid in a self-cleaning oven.*



Clean under the range.

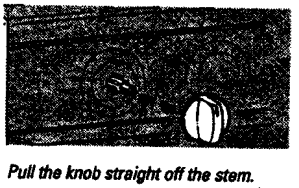
Storage Drawer Removal

To remove the storage drawer:

1. Pull the drawer out all the way.
2. Tilt up the front and remove it.

To replace the storage drawer:

1. Insert glides at the back of the drawer beyond the stop on range glides.
2. Lift the drawer if necessary to insert easily.
3. Let the front of the drawer down, then push in to close.



Pull the knob straight off the stem.

Control Panel and Knobs

It's a good idea to wipe the control panel after each use of the oven. Use a damp cloth to clean or rinse. For cleaning, use mild soap and water or a 50/50 solution of vinegar and water. For rinsing, use clean water. Polish dry with a soft cloth.

Do not use abrasive cleansers, strong liquid cleaners, plastic scouring pads or oven cleaners on the control panel—they will damage the finish.

The control knobs may be removed for easier cleaning.

To remove a knob, pull it straight off the stem. If a knob is difficult to remove, place a towel or dishcloth between the knob and control panel and pull gently. Wash the knobs in soap and water or a vinegar and hot water solution.

Before removing the knobs for cleaning, please note that the knobs are in the ***OFF*** position. When replacing the knobs, check the ***OFF*** position to ensure proper placement.

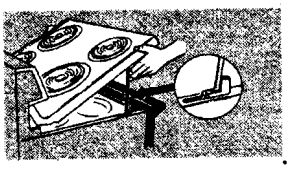
Do not bend knobs by pulling them up or down or by hanging a towel or other such loads. This can damage the shaft.

Porcelain Enamel Cooktop *(on some models)*

The porcelain enamel finish is sturdy but breakable if misused. This finish is acid-resistant. However, any acidic foods spilled (such as fruit juices, tomato or vinegar) should not be permitted to remain on the finish.

If acids spill on the cooktop while it is hot, use a dry paper towel or cloth to wipe it up right away. When the surface has cooled, wash with soap and water. Rinse well.

For other spills such as fat spatterings, wash with soap and water or cleansing powders after the surface has cooled. Rinse well. Polish with a dry cloth.



Be sure all surface units are turned off before raising the cooktop.

Lift-Up Cooktop *(on some models)*

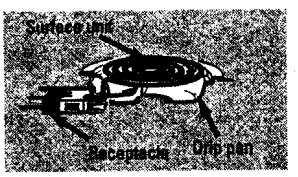
Some models have a cooktop that can be lifted up for easier cleaning. The entire cooktop may be lifted up and supported in the up position.

The surface units do not need to be removed; however, you may remove one to make raising the cooktop easier. There are two side supports that lock into position when the cooktop is lifted up.

After cleaning under the cooktop with hot, mild soapy water and a clean cloth, lower the cooktop. Be careful not to pinch your fingers.

To lower the cooktop, push the rods back and gently lower the cooktop until it rests in place.

NOTE: *Do not lift the cooktop on radiant top models. Lifting the cooktop can lead to damage and improper operation of the range.*



Surface Units *(on some models)*

Be sure all the controls are turned to OFF and the surface units are cool before attempting to remove them.

To clean the surface units, turn the control to the highest setting for a minute. The coils will burn off any soil.

To remove a surface unit:

To remove the drip pans for cleaning, the surface units must be removed first.

Lift the surface unit about 1 inch above the drip pan and pull it out.

Do not lift the surface unit more than 1". If you do, it may not lie flat on the drip pan when you plug it back in.

Repeated lifting of the surface unit more than 1 inch above the drip pan can permanently damage the receptacle.

To replace a surface unit:

Replace the drip pan into the recess in the cooktop. Make sure the opening in the pan lines up with the receptacle.

Insert the terminals of the surface unit through the opening in the drip pan and into the receptacle.

Guide the surface unit into place so it rests evenly.

Do not immerse the surface units in liquids of any kind.

Do not clean the surface units in a dishwasher.

Do not bend the surface unit plug terminals.

Do not attempt to clean, adjust or in any way repair the plug-in receptacle.

Drip Pans *(on some models)*

Remove the surface units. Then lift out the drip pans.

Place them in a covered container. Add 1/4 cup ammonia and let soak several hours or overnight. Wash, rinse well and dry.

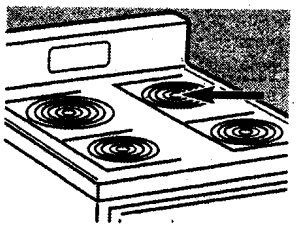
The drip pans may also be cleaned in the dishwasher.

Clean the area under the drip pans often. Built-up soil, especially grease, may catch fire.

Do not cover the drip pans with foil. Using foil so close to the receptacle could cause shock, fire or damage to the range.

NOTE: *Do not clean the drip pans in a self-cleaning oven.*

Care and cleaning of the range.



Oven Vent

On glass cooktop models, the oven is vented through an opening at the rear of the cooktop.

On coil cooktop models, the oven is vented through an opening under the right rear surface unit.

Never cover the opening with aluminum foil or any other material.

Painted Surfaces *(on some models)*

Painted surfaces include the sides of the range and the sides of the door trim.

To clean the painted surfaces, use a hot, damp cloth with a mild detergent suitable for these surfaces. Use a clean, hot, damp cloth to remove soap. Dry with a dry, clean cloth.

Do not use steel-wood pads, commercial oven cleaners, cleaning powders or other abrasive cleaners. They will damage the surface.

Stainless Steel Surfaces *(on some models)*

Do not use a steel-wool pad; it will scratch the surface.

1. Shake bottle well.
2. Place a small amount of CERAMA BRYTE® Stainless Steel Appliance Cleaner on a ***damp*** cloth or ***damp*** paper towel.
3. Clean a small area (approximately 8" x 8"), rubbing with the grain of the stainless steel if applicable.
4. Dry and buff with a clean, dry paper towel or soft cloth.
5. Repeat as necessary.

NOTE: If a mineral oil-based stainless steel appliance cleaner has been used before to clean the appliance, wash the surface with dishwashing liquid and water prior to using the CERAMA BRYTE® Stainless Steel Appliance Cleaner. After washing the surface with dishwashing liquid and water, use a generous amount of CERAMA BRYTE® Stainless Steel Appliance Cleaner to clean the appliance.

To Order

To order CERAMA BRYTE® Stainless Steel Appliance Cleaner, please call our toll-free number:

National Parts Center ***800.626.2002***

www.GEAppliances.com

CERAMA BRYTE® Stainless Steel Appliance Cleaner ..... *# PM10X311*

Glass Window *(on some models)*

To clean the outside glass finish, use a glass cleaner. Rinse and polish with a dry cloth.

Cleaning the glass cooktop. *(on some models)*

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Clean your cooktop after each spill. Use CERAMA BRYTE® Ceramic Cooktop Cleaner.

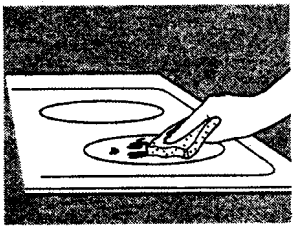
Normal Daily Use Cleaning

ONLY use CERAMA BRYTE® Ceramic Cooktop Cleaner on the glass cooktop. Other creams may not be as effective.

To maintain and protect the surface of your glass cooktop, follow these steps:

1. Before using the cooktop for the first time, clean it with CERAMA BRYTE® Ceramic Cooktop Cleaner. This helps protect the top and makes cleanup easier.
2. Daily use of CERAMA BRYTE® Ceramic Cooktop Cleaner will help keep the cooktop looking new.
3. Shake the cleaning cream well. Apply a few drops of CERAMA BRYTE® Ceramic Cooktop Cleaner directly to the cooktop.
4. Use a paper towel or CERAMA BRYTE® Cleaning Pad for Ceramic Cooktops to clean the entire cooktop surface.
5. Use a dry cloth or paper towel to remove all cleaning residue. No need to rinse.

NOTE: *It is very important that you DO NOT heat the cooktop until it has been cleaned thoroughly.*

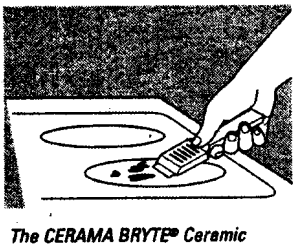


Use a CERAMA BRYTE® Cleaning Pad for Ceramic Cooktops.

Burned-On Residue

WARNING: *DAMAGE to your glass surface may occur if you use scrub pads other than those recommended.*

1. Allow the cooktop to cool.
2. Spread a few drops of CERAMA BRYTE® Ceramic Cooktop Cleaner on the entire burned residue area.
3. Using the included CERAMA BRYTE® Cleaning Pad for Ceramic Cooktops, rub the residue area, applying pressure as needed.
4. If any residue remains, repeat the steps listed above as needed.
5. For additional protection, after all residue has been removed, polish the entire surface with CERAMA BRYTE® Ceramic Cooktop Cleaner and a paper towel.



The CERAMA BRYTE® Ceramic Cooktop Scraper and all recommended supplies are available through our Parts Center. See instructions under "To Order Parts" section on next page.

NOTE: *Do not use a dull or nicked blade.*

Heavy, Burned-On Residue

1. Allow the cooktop to cool.
2. Use a single-edge razor blade scraper at approximately a 45° angle against the glass surface and scrape the soil. It will be necessary to apply pressure to the razor scraper in order to remove the residue.
3. After scraping with the razor scraper, spread a few drops of CERAMA BRYTE® Ceramic Cooktop Cleaner on the entire burned residue area. Use the CERAMA BRYTE® Cleaning Pad to remove any remaining residue.
4. For additional protection, after all residue has been removed, polish the entire surface with CERAMA BRYTE® Ceramic Cooktop Cleaner and a paper towel.

Cleaning the glass cooktop. *(on some models)*

Metal Marks and Scratches

1. Be careful not to slide pots and pans across your cooktop. It will leave metal markings on the cooktop surface.

   These marks are removable using the CERAMA BRYTE® Ceramic Cooktop Cleaner with the CERAMA BRYTE® Cleaning Pad for Ceramic Cooktops.

2. If pots with a thin overlay of aluminum or copper are allowed to boil dry, the overlay may leave black discoloration on the cooktop. This should be removed immediately before heating again or the discoloration may be permanent.

WARNING: *Carefully check the bottom of pans for roughness that would scratch the cooktop.*

Cooktop Seal

To clean the cooktop seal around the edges of the glass, lay a wet cloth on it for a few minutes, then wipe clean with nonabrasive cleaners.

Glass surface—potential for permanent damage.

Our testing shows that if you are cooking high sugar mixtures such as jelly or fudge and have a spillover, it can cause permanent damage to the glass surface unless the spillover is immediately removed.

Damage from Sugary Spills and Melted Plastic

1. Turn off all surface units. Remove hot pans.
2. Wearing an oven mitt:
   a. Use a single-edge razor blade scraper (CERAMA BRYTE® Ceramic Cooktop Scraper) to move the spill to a cool area on the cooktop.
   b. Remove the spill with paper towels.
3. Any remaining spillover should be left until the surface of the cooktop has cooled.
4. Don't use the surface units again until all of the residue has been completely removed.

NOTE: *If pitting or indentation in the glass surface has already occurred, the cooktop glass will have to be replaced. In this case, service will be necessary.*

To Order Parts

To order CERAMA BRYTE® Ceramic Cooktop Cleaner and the cooktop scraper, please call our toll-free number:

National Parts Center ***800.626.2002***

CERAMA BRYTE® Ceramic Cooktop Cleaner ..... *# WX10X300*

CERAMA BRYTE® Ceramic Cooktop Scraper ..... *# WX10X0302*

Kit ..... *# WB64X5027*

(Kit includes cream and cooktop scraper)

CERAMA BRYTE® Cleaning Pads for Ceramic Cooktops ..... *# WX10X350*

Electric Range Warranty.

All warranty service provided by our Factory Service Centers, or an authorized Customer Care® technician. To schedule service, on-line, 24 hours a day, visit us at GEAppliances.com, or call 800.GE.CARES (800.432.2737).

Staple your receipt here. Proof of the original purchase date is needed to obtain service under the warranty.

	GE Will Provide:
One Year From the date of the original purchase	***Any part*** of the range which fails due to a defect in materials or workmanship. During this ***full one-year warranty,*** GE will also provide, ***free of charge,*** all labor and in-home service to replace the defective part.

GE GLASS COOKTOP MODEL JBP60 ONLY—DOES NOT INCLUDE HOTPOINT MODELS:

Five Years From the date of the original purchase (on GE glass cooktop models only)	***A replacement glass cooktop*** if it should: crack due to thermal shock; discolor; crack at the rubber seal between the glass cooktop and the porcelain edge; or if the pattern wears off. ***A replacement radiant surface unit*** if it should burn out. During this ***limited additional four-year warranty,*** you will be responsible for any labor or in-home service.

- Service trips to your home to teach you how to use the product.
- Improper installation, delivery or maintenance.
- Failure of the product if it is abused, misused, or used for other than the intended purpose or used commercially.
- Damage to the glass cooktop caused by use of cleaners other than the recommended cleaning creams.
- Damage to the glass cooktop caused by hardened spills of sugary materials or melted plastic that are not cleaned according to the directions in the Owner's Manual.
- Replacement of house fuses or resetting of circuit breakers.
- Damage to the product caused by accident, fire, floods or acts of God.
- Incidental or consequential damage caused by possible defects with this appliance.
- Damage caused after delivery.

This warranty is extended to the original purchaser and any succeeding owner for products purchased for home use within the USA. In Alaska, the warranty excludes the cost of shipping or service calls to your home.

Some states do not allow the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

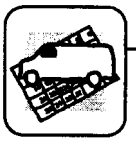
Warrantor: General Electric Company. Louisville, KY 40225

Consumer Support.

GE Appliances Website

www.GEAppliances.com

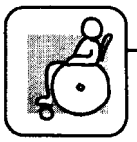
Have a question or need assistance with your appliance? Try the GE Appliances Website 24 hours a day, any day of the year! For greater convenience and faster service, you can now download Owner's Manuals, order parts, catalogs, or even schedule service on-line. You can also "Ask Our Team of Experts™" your questions, and so much more...



Schedule Service

www.GEAppliances.com

Expert GE repair service is only one step away from your door. Get on-line and schedule your service at your convenience 24 hours any day of the year! Or call 800.GE.CARES (800.432.2737) during normal business hours.



Real Life Design Studio

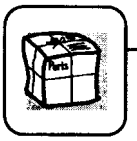
www.GEAppliances.com

GE supports the Universal Design concept—products, services and environments that can be used by people of all ages, sizes and capabilities. We recognize the need to design for a wide range of physical and mental abilities and impairments. For details of GE's Universal Design applications, including kitchen design ideas for people with disabilities, check out our Website today. For the hearing impaired, please call 800.TDD.GEAC (800.833.4322).

Extended Warranties

www.GEAppliances.com

Purchase a GE extended warranty and learn about special discounts that are available while your warranty is still in effect. You can purchase it on-line anytime, or call 800.626.2224 during normal business hours. GE Consumer Home Services will still be there after your warranty expires.



Parts and Accessories

www.GEAppliances.com

Individuals qualified to service their own appliances can have parts or accessories sent directly to their homes (VISA, MasterCard and Discover cards are accepted). Order on-line today, 24 hours every day or by phone at 800.626.2002 during normal business hours.

Instructions contained in this manual cover procedures to be performed by any user. Other servicing generally should be referred to qualified service personnel. Caution must be exercised, since improper servicing may cause unsafe operation.

Contact Us

www.GEAppliances.com

If you are not satisfied with the service you receive from GE, contact us on our Website with all the details including your phone number, or write to: General Manager, Customer Relations
GE Appliances, Appliance Park
Louisville, KY 40225

Register Your Appliance

www.GEAppliances.com

Register your new appliance on-line—at your convenience! Timely product registration will allow for enhanced communication and prompt service under the terms of your warranty, should the need arise. You may also mail in the pre-printed registration card included in the packing material.

Printed in the United States

Microwave/Hood Combo - GE

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

⚠ WARNING!

MICROWAVE-SAFE COOKWARE

Make sure all cookware used in your microwave oven is suitable for microwaving. Most glass casseroles, cooking dishes, measuring cups, custard cups, pottery or china dinnerware which does not have metallic trim or glaze with a metallic sheen can be used. Some cookware is labeled "suitable for microwaving."

- If you are not sure if a dish is microwave-safe, use this test: Place in the oven both the dish you are testing and a glass measuring cup filled with 1 cup of water—set the measuring cup either in or next to the dish. Microwave 30–45 seconds at high. If the dish heats, it should not be used for microwaving.

  If the dish remains cool and only the water in the cup heats, then the dish is microwave-safe.

- If you use a meat thermometer while cooking, make sure it is safe for use in microwave ovens.

- Do not use recycled paper products. Recycled paper towels, napkins and waxed paper can contain metal flecks which may cause arcing or ignite. Paper products containing nylon or nylon filaments should be avoided, as they may also ignite.

- Some styrofoam trays (like those that meat is packaged on) have a thin strip of metal embedded in the bottom. When microwaved, the metal can burn the floor of the oven or ignite a paper towel.

- Do not use the microwave to dry newspapers.

- Not all plastic wrap is suitable for use in microwave ovens. Check the package for proper use.

- Paper towels, waxed paper and plastic wrap can be used to cover dishes in order to retain moisture and prevent spattering. Be sure to vent plastic wrap so steam can escape.

- Cookware may become hot because of heat transferred from the heated food. Pot holders may be needed to handle the cookware.

- "Boilable" cooking pouches and tightly closed plastic bags should be slit, pierced or vented as directed by package. If they are not, plastic could burst during or immediately after cooking, possibly resulting in injury. Also, plastic storage containers should be at least partially uncovered because they form a tight seal. When cooking with containers tightly covered with plastic wrap, remove covering carefully and direct steam away from hands and face.
- Use foil only as directed in this manual. TV dinners may be microwaved in foil trays less than 3/4" high; remove the top foil cover and return the tray to the box. When using foil in the microwave oven, keep the foil at least 1" away from the sides of the oven.
- Plastic cookware – Plastic cookware designed for microwave cooking is very useful, but should be used carefully. Even microwave-safe plastic may not be as tolerant of overcooking conditions as are glass or ceramic materials and may soften or char if subjected to short periods of overcooking. In longer exposures to overcooking, the food and cookware could ignite.

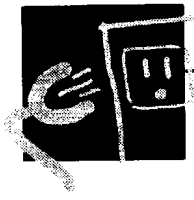
Follow these guidelines:

1. Use microwave-safe plastics only and use them in strict compliance with the cookware manufacturer's recommendations.
2. Do not microwave empty containers.
3. Do not permit children to use plastic cookware without complete supervision.

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

⚠ WARNING!

Improper use of the grounding plug can result in a risk of electric shock.



GROUNDING INSTRUCTIONS

This appliance must be grounded. In the event of an electrical short circuit, grounding reduces the risk of electric shock by providing an escape wire for the electric current.

This appliance is equipped with a power cord having a grounding wire with a grounding plug. The plug must be plugged into an outlet that is properly installed and grounded.

Consult a qualified electrician or service technician if the grounding instructions are not completely understood, or if doubt exists as to whether the appliance is properly grounded.

If the outlet is a standard 2-prong wall outlet, it is your personal responsibility and obligation to have it replaced with a properly grounded 3-prong wall outlet.

Do not under any circumstances cut or remove the third (ground) prong from the power cord.

Do not use an adapter plug with this appliance.

Do not use an extension cord with this appliance. If the power cord is too short, have a qualified electrician or service technician install an outlet near the appliance.

For best operation, plug this appliance into its own electrical outlet to prevent flickering of lights, blowing of fuse or tripping of circuit breaker.

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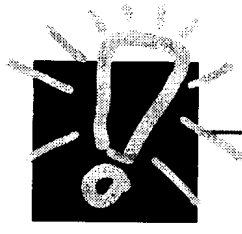
THE VENT FAN

The fan will operate automatically under certain conditions (see Automatic Fan feature). Take care to prevent the starting and spreading of accidental cooking fires while the vent fan is in use.

- Clean the underside of the microwave often. Do not allow grease to build up on the microwave or the fan filters.
- In the event of a grease fire on the surface units below the microwave oven, smother a flaming pan on the surface unit by covering the pan completely with a lid, a cookie sheet or a flat tray.
- Use care when cleaning the vent fan filters. Corrosive cleaning agents, such as lye-based oven cleaners, may damage the filters.
- When preparing flaming foods under the microwave, turn the fan on.
- Never leave surface units beneath your microwave oven unattended at high heat settings. Boilovers cause smoking and greasy spillovers that may ignite and spread if the microwave vent fan is operating. To minimize automatic fan operation, use adequate-sized cookware and use high heat on surface units only when necessary.



READ AND FOLLOW THIS SAFETY INFORMATION CAREFULLY.

SAVE THESE INSTRUCTIONS

Care and cleaning of the microwave oven.

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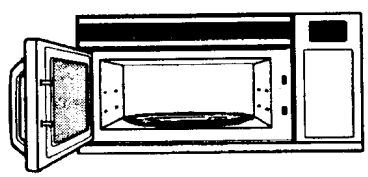
Helpful Hints

An occasional thorough wiping with a solution of baking soda and water keeps the inside fresh.

NOTE: Be certain the power is off before cleaning any part of this oven.



How to Clean the Inside

Walls, Floor, Inside Window, Metal and Plastic Parts on the Door

Some spatters can be removed with a paper towel; others may require a damp cloth. Remove greasy spatters with a sudsy cloth; then rinse with a damp cloth. Do not use abrasive cleaners or sharp utensils on oven walls.

Never use a commercial oven cleaner on any part of your microwave.

Removable Turntable and Turntable Support

To prevent breakage, do not place the turntable into water just after cooking. Wash it carefully in warm, sudsy water or in the dishwasher. The turntable and support can be broken if dropped. Remember, do not operate the oven without the turntable and support in place.

Shelf

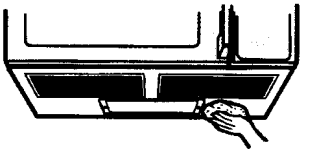
Clean with mild soap and water or in the dishwasher.

Do not clean in a self-cleaning oven.

Defrost Rack

Clean with mild soap and water or in the top rack of the dishwasher.

Care and cleaning of the microwave oven.



How to Clean the Outside

We recommend against using cleaners with ammonia or alcohol, as they can damage the appearance of the microwave oven. If you choose to use a common household cleaner, first apply the cleaner directly to a clean cloth, then wipe the soiled area.

Bottom

Clean off the grease and dust on the bottom often. Use a solution of warm water and detergent.

Case

Clean the outside of the microwave with a sudsy cloth. Rinse and then dry. Wipe the window clean with a damp cloth.

Control Panel and Door

Wipe with a damp cloth. Dry thoroughly. Do not use cleaning sprays, large amounts of soap and water, abrasives or sharp objects on the panel—they can damage it. Some paper towels can also scratch the control panel.

Door Seal

It's important to keep the area clean where the door seals against the microwave. Use only mild, non-abrasive detergents applied with a clean sponge or soft cloth. Rinse well.

Stainless Steel *(on some models)*

Do not use a steel-wood pad; it will scratch the surface.

To clean the stainless steel surface, use a hot, damp cloth with a mild detergent suitable for stainless steel surfaces. Use a clean, hot, damp cloth to remove soap. Dry with a dry, clean cloth.

If food soil remains, try a general kitchen cleaner.

For hard-to-clean soil, use a standard stainless steel cleaner, such as Bon-Ami® or Cameo®.

Apply cleaner with a damp sponge. Use a clean, hot, damp cloth to remove cleaner. Dry with a dry, clean cloth. Always scrub lightly in the direction of the grain.

After cleaning, use a stainless steel polish, such as Stainless Steel Magic®, Revere Copper and Stainless Steel Cleaner® or Wenol All Purpose Metal Polish®. Follow the product instructions for cleaning the stainless steel surface.

Replacing the light bulbs.

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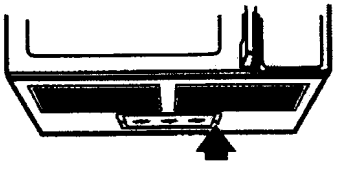
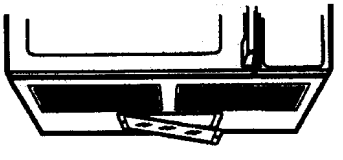


Remove screw



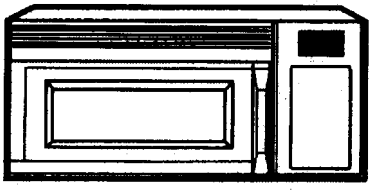
Cooktop Light/Night Light

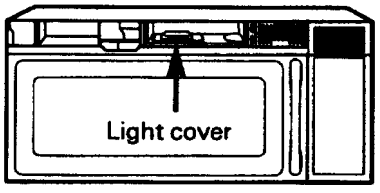
On models JVM1850 and JVM1851, replace the burned-out bulb with a 40-watt incandescent bulb (WB36X10003), available from your GE supplier.

On models JVM1860, JVM1861, JVM1870 and JVM2050 replace the burned-out bulb with a 120 volt, 20-watt halogen bulb (WB36X10213), available from your GE supplier.

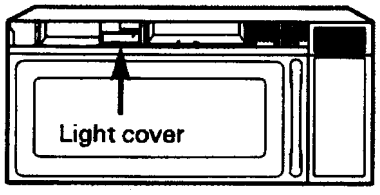
1. To replace the bulb(s), first disconnect the power at the main fuse or circuit breaker panel or pull the plug.
2. Remove the screw at the right edge of the light cover and push on the left edge of the cover to open.
3. Be sure the bulb(s) to be replaced are cool before removing. After breaking the adhesive seal, remove the bulb by either gently turning (for models JVM1850 and JVM1851) or pulling straight out (for models JVM1860, JVM1861, JVM1870 and JVM2050). Replace with the same size and type bulb.
4. Raise the light shield and replace the screw. Connect electrical power to the oven.

Replacing the light bulbs.





On some models



On some models

Oven Light

Replace the burned-out bulb with a 120 volt, 20-watt halogen bulb (WB36X10213), available from your GE supplier.

1. To replace the oven light, first disconnect the power at the main fuse or circuit breaker panel or pull the plug.
2. Remove the top grille by taking out the screws on top of the grille that hold it in place and sliding the grille to the left (opening the door makes grille removal easier).
3. Next, remove the light cover.

   On some models, the light cover is located in the center of the top opening. Remove the screw that secures the light cover and lift the cover off.

   On some models, the light cover is located at the left of the top opening. Lift the cover off.
4. Pinch the clips that hold the light socket in place and lift the socket out.
5. Remove the bulb from the light socket by pulling straight out. Replace with the same size and type bulb, then replace the light socket and cover.
6. Replace the grille and screws. Connect electrical power to the oven.

About the exhaust feature.

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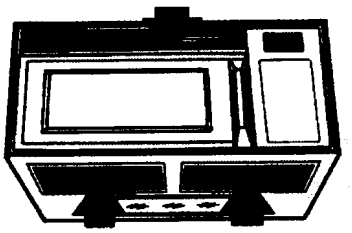
Charcoal Filter
(on some models)



Reusable Grease Filters
(on all models)

The Vent Fan

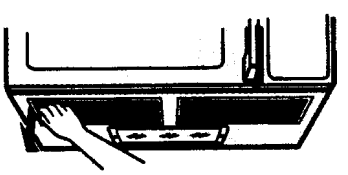
The vent fan has 2 metal reusable grease filters.

Models that recirculate air back into the room also use a charcoal filter.

Reusable Grease Filters

The metal filters trap grease released by foods on the cooktop. They also prevent flames from foods on the cooktop from damaging the inside of the microwave.

For this reason, the filters must ALWAYS be in place when the hood is used. The grease filters should be cleaned once a month, or as needed.



Removing and Cleaning the Filter

To remove, slide it to the outside using the tab. Pull it down and out.

To clean the grease filter, soak it and then swish it around in hot water and detergent. Don't use ammonia or ammonia products because they will darken the metal. Light brushing can be used to remove embedded dirt.

Rinse, shake and let it dry before replacing.

To replace, slide the filter in the frame slot at the outside of the opening. Pull up and in to lock into place.

About the exhaust feature.

Charcoal Filter (on some models)

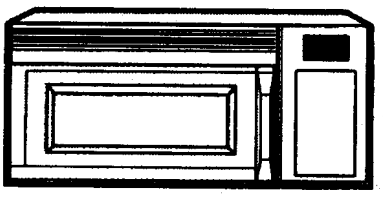
The charcoal filter cannot be cleaned. It must be replaced.

For JVM1800 Series models, order Part No. WB2X10733 from your GE supplier.

For JVM2000 Series models, order Part No. WB2X10956 from your GE supplier.

If the model is not vented to the outside, the air will be recirculated through a disposable charcoal filter that helps remove smoke and odors.

The charcoal filter should be replaced when it is noticeably dirty or discolored (usually after 6 to 12 months, depending on hood usage).

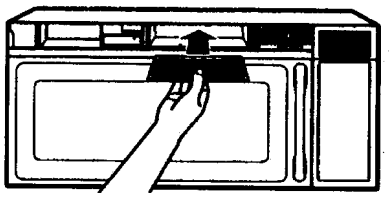


Remove grille screws to remove the grille.

To Remove Charcoal Filter

To remove the charcoal filter, disconnect power at the main fuse or circuit breaker panel or pull the plug.

Remove the top grille by removing the screws on top of the grille that hold it in place and sliding the grille to the left (opening the door makes grille removal easier). Slide the filter towards the front of the oven and remove it.



To Install Charcoal Filter

To install a new filter, remove plastic and other outer wrapping from the new filter.

Insert the filter into the top opening of the oven as shown. It will rest at an angle on 2 side support tabs and in front of the right rear tab. Replace the grille and screws.

Before you call for service... www.GEAppliances.com

Troubleshooting Tips
Save time and money! Review the charts on the following pages first and you may not need to call for service.

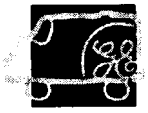
Problem	Possible Causes	What To Do
Oven will not start	**A fuse in your home may be blown or the circuit breaker tripped.**	• Replace fuse or reset circuit breaker.
	Power surge.	• Unplug the microwave oven; then plug it back in.
	Plug not fully inserted into wall outlet.	• Make sure the 3-prong plug on the oven is fully inserted into wall outlet.
Floor of the oven is warm, even when the oven has not been used	**The cooktop light is located below the oven floor. When the light is on, the heat it produces may make the oven floor get warm.**	• This is normal.
"CONTROL LOCKED" or "LOCKED" appears on the display	**The control has been locked.**	• Press and hold ***CLEAR/OFF*** for about 3 seconds to unlock the control.
"SENSOR ERROR" appears on the display	**When using a Sensor feature, the door was opened before steam could be detected.**	• Do not open door until steam is sensed and time is shown counting down on the display.
	Steam was not detected in maximum amount of time.	• Use ***Time Cook*** to heat for more time.
You hear an unusual, low-tone beep	**You have tried to start the Reminder without a valid time of day.**	• Start over and enter a valid time of day.
	You have tried to start the Auto Nite Light without a valid time of day entered for the on-time and off-time.	• Start over and enter a valid time of day.
	You have tried to change the power level when it is not allowed.	• Many of the oven's features are preset and cannot be changed.
Food amount too large for Sensor Reheat	**Sensor Reheat is for single servings of recommended foods.**	• Use ***Time Cook*** for large amounts of food.

Before you call for service...

Things That Are Normal With Your Microwave Oven

- Moisture on the oven door and walls while cooking. Wipe the moisture off with a paper towel or soft cloth.
- Moisture between the oven door panels when cooking certain foods. Moisture should dissipate shortly after cooking is finished.
- Steam or vapor escaping from around the door.
- Light reflection around door or outer case.
- Dimming oven light and change in the blower sound at power levels other than high.
- Dull thumping sound while oven is operating.
- TV/radio interference might be noticed while using the microwave. Similar to the interference caused by other small appliances, it does not indicate a problem with the microwave. Plug the microwave into a different electrical circuit, move the radio or TV as far away from the microwave as possible, or check the position and signal of the TV/radio antenna.
- The Active Vent door (on some models) will open during operation, and remain open while the microwave is running, to keep the electronics cool. It is also normal to hear a clicking noise as the vent door opens and closes.

GE Microwave Oven Warranty.



All warranty service provided by our Factory Service Centers, or an authorized Customer Care® technician. To schedule service, on-line, 24 hours a day, visit us at www.GEAppliances.com, or call 800.GE.CARES (800.432.2737).

Staple your receipt here. Proof of the original purchase date is needed to obtain service under the warranty.

For The Period Of:	GE Will Replace:
One Year *From the date of the original purchase*	***Any part*** of the microwave oven which fails due to a defect in materials or workmanship. During this ***full one-year warranty,*** GE will also provide, ***free of charge,*** all labor and related service costs to repair or replace the defective part.
Second Through Tenth Year *From the date of the original purchase*	***The magnetron tube,*** if the magnetron tube fails due to a defect in materials or workmanship. During this ***additional nine-year limited warranty,*** you will be responsible for any labor or related service costs.

What GE Will Not Cover:

- **Service trips to your home to teach you how to use the product.**
- **Improper installation, delivery or maintenance.**
- **Failure of the product if it is abused, misused, or used for other than the intended purpose or used commercially.**
- **Replacement of the cooktop light bulbs.**
- **Replacement of house fuses or resetting of circuit breakers.**
- **Damage to the product caused by accident, fire, floods or acts of God.**
- **Incidental or consequential damage caused by possible defects with this appliance.**
- **Damage caused after delivery.**

This warranty is extended to the original purchaser and any succeeding owner for products purchased for ordinary home use within the USA. In Alaska, the warranty excludes the cost of shipping or service calls to your home.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

Warrantor: General Electric Company. Louisville, KY 40225

Refrigerator - GE

Care and cleaning of the refrigerator.

Dispenser drip area.

Cleaning the Outside

The dispenser drip area, beneath the grille, should be wiped dry. Water left in this area may leave deposits. Remove the deposits by adding undiluted vinegar to the well. Soak until the deposits disappear or become loose enough to rinse away.

The dispenser cradle. Before cleaning, lock the dispenser by pressing and holding the ***LOCK CONTROL*** pad for 3 seconds. Clean with warm water and baking soda solution—about a tablespoon (15 ml) of baking soda to a quart (1 liter) of water. Rinse thoroughly and wipe dry.

The door handles and trim. Clean with a cloth dampened with soapy water. Dry with a soft cloth.

The stainless steel panels and door handles (on some models) can be cleaned with a commercially available stainless steel cleaner. A spray-on stainless steel cleaner works best.

Do not use appliance wax or polish on the stainless steel.

Keep the outside clean. Wipe with a clean cloth lightly dampened with kitchen appliance wax or mild liquid dish detergent. Dry and polish with a clean, soft cloth.

Do not wipe the refrigerator with a soiled dish cloth or wet towel. These may leave a residue that can erode the paint. Do not use scouring pads, powdered cleaners, bleach or cleaners containing bleach because these products can scratch and weaken the paint finish.

Cleaning the Inside

To help prevent odors, leave an open box of baking soda in the fresh food and freezer compartments.

Unplug the refrigerator before cleaning. If this is not practical, wring excess moisture out of sponge or cloth when cleaning around switches, lights or controls.

Use warm water and baking soda solution—about a tablespoon (15 ml) of baking soda to a quart (1 liter) of water. This both cleans and neutralizes odors. Rinse and wipe dry.

Use of any cleaning solution other than that which is recommended, especially those that contain petroleum distillates, can crack or damage the interior of the refrigerator.

Avoid cleaning cold glass shelves with hot water because the extreme temperature difference may cause them to break. Handle glass shelves carefully. Bumping tempered glass can cause it to shatter.

Do not wash any plastic refrigerator parts in the dishwasher.

The chill/thaw tray is dishwasher safe.

Behind the Refrigerator

Be careful when moving the refrigerator away from the wall. All types of floor coverings can be damaged, particularly cushioned coverings and those with embossed surfaces.

Pull the refrigerator straight out and return it to position by pushing it straight in. Moving the refrigerator in a side direction may result in damage to the floor covering or refrigerator.

When pushing the refrigerator back, make sure you don't roll over the power cord or icemaker supply line.

Preparing for Vacation

For long vacations or absences, remove food and unplug the refrigerator. Clean the interior with a baking soda solution of one tablespoon (15 ml) of baking soda to one quart (1 liter) of water. Leave the doors open.

Set the icemaker power switch to the ***O (off)*** position and shut off the water supply to the refrigerator.

If the temperature can drop below freezing, have a qualified servicer drain the water supply system to prevent serious property damage due to flooding.

Preparing to Move

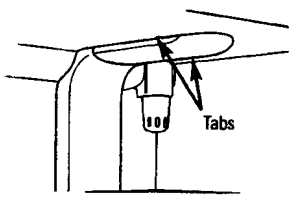
Secure all loose items such as shelves and drawers by taping them securely in place to prevent damage.

When using a hand truck to move the refrigerator, do not rest the front or back of the refrigerator against the hand truck. This could damage the refrigerator. Handle only from the sides of the refrigerator.

Be sure the refrigerator stays in an upright position during moving.

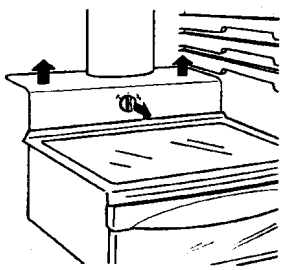
Replacing the light bulbs.

*Setting the controls to **OFF** does not remove power to the light circuit.*



Refrigerator Compartment—Upper Light

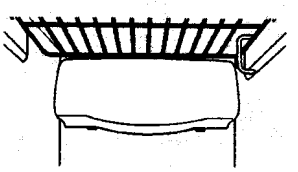
1. Unplug the refrigerator.
2. The bulbs are located at the top of the compartment, inside the light shield. On some models, a screw at the front of the light shield will have to be removed.
3. To remove the light shield, press in on the tabs on the sides of the shield and slide forward and out.
4. After replacing the bulb with an appliance bulb of the same or lower wattage, replace the light shield and screws (on some models). When replacing the light shield, make sure that the tabs at the back of the shield fit into the slots at the back of the light shield housing.
5. Plug the refrigerator back in.



Refrigerator Compartment—Lower Light

This light is located above the top drawer.

1. Unplug the refrigerator.
2. Remove the convertible meat drawer control knob by pulling straight out.
3. Lift the light shield up and pull it out.
4. After replacing the bulb with an appliance bulb of the same or lower wattage, replace the shield and the knob.
5. Plug the refrigerator back in.



Freezer Compartment

1. Unplug the refrigerator.
2. Remove the shelf just above the light shield. (The shelf will be easier to remove if it is emptied first.) On some models, a screw at the top of the light shield will need to be removed.
3. To remove the light shield, press in on the sides, and lift up and out.
4. Replace the bulb with an appliance bulb of the same or lower wattage, and reinstall the light shield. When reinstalling the light shield, make sure the top tabs snap securely into place. Replace the screw (on some models).
5. Reinstall the shelf and plug the refrigerator back in.

Dispenser

1. Unplug the refrigerator.
2. The bulb is located on the dispenser under the control panel. Remove the light bulb by turning it counterclockwise.
3. Replace the bulb with a bulb of the same size and wattage.
4. Plug the refrigerator back in.

Normal operating sounds.

GEAppliances.com

Newer refrigerators sound different from older refrigerators. Modern refrigerators have more features and use newer technology.

Do you hear what I hear? These sounds are normal.

HUMMM... WHOOSH...

- The new high efficiency compressor may run faster and longer than your old refrigerator and you may hear a high-pitched hum or pulsating sound while it is operating.
- Sometimes the refrigerator runs for an extended period, especially when the doors are opened frequently. This means that the ***Frost Guard™*** feature is working to prevent freezer burn and improve food preservation.
- You may hear a whooshing sound when the doors close. This is due to pressure equalizing within the refrigerator.

WHIR!

- You may hear the fans spinning at high speeds. This happens when the refrigerator is first plugged in, when the doors are opened frequently or when a large amount of food is added to the refrigerator or freezer compartments. The fans are helping to maintain the correct temperatures.
- If either door is open for over 3 minutes, you may hear the fans come on in order to cool the light bulbs.
- The fans change speeds in order to provide optimal cooling and energy savings.
- You may hear the fans running after selecting one of the ***CustomCool™*** settings.

CLICKS, POPS, CRACKS and CHIRPS

- You may hear cracking or popping sounds when the refrigerator is first plugged in. This happens as the refrigerator cools to the correct temperature.
- Electronic dampers click open and closed to provide optimal cooling and energy savings.
- The compressor may cause a clicking or chirping sound when attempting to restart (this could take up to 5 minutes).
- The electronic control board may cause a clicking sound when relays activate to control refrigerator components.
- Expansion and contraction of cooling coils during and after defrost can cause a cracking or popping sound.
- On models with an icemaker, after an icemaking cycle, you may hear the ice cubes dropping into the ice bucket.

WATER SOUNDS

- The flow of refrigerant through the freezer cooling coils may make a gurgling noise like boiling water.
- Water dropping on the defrost heater can cause a sizzling, popping or buzzing sound during the defrost cycle.
- A water dripping noise may occur during the defrost cycle as ice melts from the evaporator and flows into the drain pan.
- Closing the door may cause a gurgling sound due to pressure equalization.

For additional information on normal icemaker and dispenser operating sounds, see the ***About the automatic icemaker*** *and* ***About the ice and water dispenser*** *sections.*

Before you call for service...

Troubleshooting Tips
Save time and money! Review the charts on the following pages first and you may not need to call for service.

Problem	Possible Causes	What To Do
Refrigerator does not operate	Refrigerator in defrost cycle.	• Wait about 30 minutes for defrost cycle to end.
	Either or both controls set to *OFF*.	• Set the controls to a temperature setting.
	Refrigerator is unplugged.	• Push the plug completely into the outlet.
	The fuse is blown/circuit breaker is tripped.	• Replace fuse or reset the breaker.
	The refrigerator is in showroom mode.	• Unplug the refrigerator and plug it back in.
Vibration or rattling (slight vibration is normal)	Rollers need adjusting.	• See *Rollers*.
Motor operates for long periods or cycles on and off frequently. (Modern refrigerators with more storage space and a larger freezer require more operating time. They start and stop often to maintain even temperatures.)	Normal when refrigerator is first plugged in.	• Wait 24 hours for the refrigerator to completely cool down.
	Often occurs when large amounts of food are placed in refrigerator.	• This is normal.
	Door left open.	• Check to see if package is holding door open.
	Hot weather or frequent door openings.	• This is normal.
	Temperature controls set at the coldest setting.	• See *About the controls*.
Refrigerator or freezer compartment too warm	Temperature control not set cold enough.	• See *About the controls*.
	Warm weather or frequent door openings.	• Set the temperature control one step colder. See *About the controls*.
	Door left open.	• Check to see if package is holding door open.
Frost or ice crystals on frozen food (frost within package is normal)	Door left open.	• Check to see if package is holding door open.
	Too frequent or too long door openings.	
Divider between refrigerator and freezer compartments feels warm	Automatic energy saver system circulates warm liquid around front edge of freezer compartment.	• This helps prevent condensation on the outside.
Automatic icemaker does not work	Icemaker power switch is in the off position.	• Set the power switch to the on position.
	Water supply turned off or not connected.	• See *Installing the water line*.
	Freezer compartment too warm.	• Wait 24 hours for the refrigerator to completely cool down.
	Piled up cubes in the storage bin cause the icemaker to shut off.	• Level cubes by hand.
	Ice cubes stuck in icemaker. (Green power light on icemaker blinking).	• Turn off the icemaker, remove cubes and turn the icemaker back on.

Problem	Possible Causes	What To Do
Frequent "buzzing" sound	Icemaker power switch is in the **I (on)** position, but the water supply to the refrigerator has not been connected.	• Set the power switch to the **O (off)** position. Keeping it in the **I (on)** position will damage the water valve.
Ice cubes have odor/taste	Ice storage bin needs cleaning.	• Empty and wash bin. Discard old cubes.
	Food transmitting odor/taste to ice cubes.	• Wrap foods well.
	Interior of refrigerator needs cleaning.	• See *Care and cleaning.*
Small or hollow cubes	Water filter clogged.	• Replace filter cartridge with new cartridge or with plug.
Slow ice cube freezing	Door left open.	• Check to see if package is holding door open.
	Temperature control not set cold enough.	• See *About the controls.*
Cube dispenser does not work	Icemaker turned off or water supply turned off.	• Turn on icemaker or water supply.
	An item is blocking or has fallen into the ice chute inside the top door bin of the freezer.	• Remove any item that might be blocking, or has fallen into, the chute.
	Ice cubes are frozen to icemaker feeler arm.	• Remove cubes.
	Irregular ice clumps in storage container.	• Break up with fingertip pressure and discard remaining clumps. • Freezer may be too warm. Adjust the freezer control to a colder setting, one position at a time, until clumps do not form.
	Dispenser is **LOCKED.**	• Press and hold the **LOCK CONTROL** pad for 3 seconds.
Water has poor taste/odor	Water dispenser has not been used for a long time.	• Dispense water until all water in system is replenished.
Water in first glass is warm	Normal when refrigerator is first installed.	• Wait 24 hours for the refrigerator to completely cool down.
	Water dispenser has not been used for a long time.	• Dispense water until all water in system is replenished.
	Water system has been drained.	• Allow several hours for replenished supply to chill.
Water dispenser does not work	Water supply line turned off or not connected.	• See *Installing the water line.*
	Water filter clogged.	• Replace filter cartridge or remove filter and install plug.
	Air may be trapped in the water system.	• Press the dispenser arm for at least two minutes.
	Dispenser is **LOCKED.**	• Press and hold the **LOCK CONTROL** pad for 3 seconds.
Water spurting from dispenser	Newly-installed filter cartridge.	• Run water from the dispenser for 3 minutes (about one and a half gallons).
Water is not dispensed but icemaker is working	Water in reservoir is frozen.	• Call for service.
	Refrigerator control setting is too cold.	• Set to a warmer setting.
No water or ice cube production	Supply line or shutoff valve is clogged.	• Call a plumber.
	Water filter clogged.	• Replace filter cartridge or remove filter and install plug.
	Dispenser is **LOCKED.**	• Press and hold the **LOCK CONTROL** pad for 3 seconds.
CUBED ICE was selected but CRUSHED ICE was dispensed	Last setting was **CRUSHED ICE.**	• A few cubes were left in the crusher from the previous setting. This is normal.

Before you call for service...

Problem	Possible Causes	What To Do
Orange glow in the freezer	Defrost heater is on.	• This is normal.
Refrigerator has odor	Foods transmitting odor to refrigerator.	• Foods with strong odors should be tightly wrapped. • Keep an open box of baking soda in the refrigerator; replace every three months.
	Interior needs cleaning.	• See *Care and cleaning.*
Door not closing properly	Door gasket on hinge side sticking or folding over.	• Apply paraffin wax to the face of the gasket.
	A door bin is hitting a shelf inside the refrigerator.	• Move the door bin up one position.
Moisture forms on outside of refrigerator	Not unusual during periods of high humidity.	• Wipe surface dry.
Moisture collects inside (in humid weather, air carries moisture into refrigerator when doors are opened)	Too frequent or too long door openings.	
Interior light does not work	No power at outlet.	• Replace fuse or reset the breaker.
	Light bulb burned out.	• See *Replacing the light bulbs.*
Water on kitchen floor or on bottom of freezer	Cubes jammed in chute.	• Poke ice through with a wooden spoon.
Hot air from bottom of refrigerator	Normal air flow cooling motor. In the refrigeration process, it is normal that heat be expelled in the area under the refrigerator. Some floor coverings are sensitive and will discolor at these normal and safe temperatures.	
Refrigerator never shuts off but the temperatures are OK	Adaptive defrost keeps compressor running during door openings.	• This is normal. The refrigerator will cycle off after the door remains closed for 2 hours.
Refrigerator beeping	Door open.	• Close door.
Food isn't thawing/chilling	Packaging.	• Increase time or re-package in plastic.
	Wrong weight selected.	• Select a larger weight.
	Item with high fat content.	• Select a larger weight.
	Not using Chill/Thaw tray.	• Place items on tray and allow space in between items for better airflow.
Actual temperature not equal to Set temperature	Unit just plugged in.	• Allow 24 hours for system to stabilize.
	Door open for too long.	• Allow 24 hours for system to stabilize.
	Warm food added to refrigerator.	• Allow 24 hours for system to stabilize.
	Defrost cycle is in process.	• Allow 24 hours for system to stabilize.
Select Temp feature is not working	Refrigerator compartment temperature control is set at warmest setting.	• This is normal. In order to minimize energy usage, the **Select Temp** feature is disabled when the refrigerator temperature control is set at the warmest setting.

CONSUMER WARRANTY

(for customers in Canada)

Your refrigerator is warranted to be free of defects in material and workmanship.

What is covered	How Long Warranted (From Date of Sale)	Parts Repair or Replace at Camco's Option	Labour
Compressor	Ten (10) Years	Ten (10) Years	Five (5) Years
Sealed System (including evaporator, condenser tubing and refrigerant)	Five (5) Years	Five (5) Years	Five (5) Years
All Other Parts	One (1) Year	One (1) Year	One (1) Year

TERMS AND CONDITIONS:

This warranty applies only for single family domestic use in Canada when the Refrigerator has been properly installed according to the instructions supplied by Camco and is connected to an adequate and proper utility service.

Damage due to abuse, accident, commercial use, and alteration or defacing of the serial plate cancels all obligations of this warranty.

Service during this warranty must be performed by an Authorized Camco Service Agent.

Neither Camco nor the Dealer is liable for any claims or damages resulting from any failure of the Refrigerator or from service delays beyond their reasonable control.

To obtain warranty service, purchaser must present the original bill of sale. Components repaired or replaced are warranted through the remainder of the original warranty period only.

This warranty is in addition to any statutory warranty.

WHAT IS NOT COVERED:

- Owner is responsible to pay for service calls related to product installation and/or teaching how to use the product.
- Damage to finish must be reported within 48 hours following the delivery of the appliance.
- Service trips to your home to teach you how to use the product.
- Damage to finish after delivery.
- Improper installation–proper installation includes adequate air circulation to the refrigeration system, adequate electrical, plumbing and other connecting facilities.
- Replacement of house fuses or resetting of circuit breakers.
- Replacement of light bulbs.
- Damage to product caused by accident, fire, floods or acts of God.
- Loss of food due to spoilage.
- Proper use and care of product as listed in the owner's manual, proper setting of controls.
- WARRANTOR IS NOT RESPONSIBLE FOR CONSEQUENTIAL DAMAGES.

IMPORTANT

Keep this warranty and your bill of sale as proof of original purchase and purchase date.

Camco Service is available coast to coast.
If further help is needed concerning this warranty, contact:

Manager, Consumer Relations, Camco Inc.,
Suite 310, 1 Factory Lane, Moncton, N.B. E1C 9M3

Staple your receipt here. Proof of the original purchase date is needed to obtain service under the warranty.

Refrigerator Warranty. *(For customers in the United States)*

All warranty service provided by our Factory Service Centers, or an authorized Customer Care® technician. To schedule service, on-line, 24 hours a day, visit us at GEAppliances.com, or call 800.GE.CARES (800.432.2737).

Staple your receipt here. Proof of the original purchase date is needed to obtain service under the warranty.

For The Period Of:	GE Will Replace:
One Year *From the date of the original purchase*	***Any part*** of the refrigerator which fails due to a defect in materials or workmanship. During this ***full one-year warranty,*** GE will also provide, ***free of charge,*** all labor and in-home service to replace the defective part.
Five Years *From the date of the original purchase*	***Any part of the sealed refrigerating system*** (the compressor, condenser, evaporator and all connecting tubing) which fails due to a defect in materials or workmanship. During this ***full five-year sealed refrigerating system warranty,*** GE will also provide, ***free of charge,*** all labor and in-home service to replace the defective part in the sealed refrigerating system.
Lifetime of Product *From the date of the original purchase*	***The full extension slides,*** if they should fail due to a defect in materials or workmanship. During this ***product lifetime limited warranty,*** you will be responsible for any labor or related service costs.
Thirty Days *From the original purchase date of the refrigerator*	***Any part*** of the water filter cartridge which fails due to a defect in materials or workmanship. During this ***limited thirty-day warranty,*** GE will also provide, ***free of charge,*** a replacement water filter cartridge.

What GE Will Not Cover:

- **Service trips to your home to teach you how to use the product.**
- **Improper installation, delivery or maintenance.**
- **Failure of the product if it is abused, misused, or used for other than the intended purpose or used commercially.**
- **Loss of food due to spoilage.**
- **Replacement of house fuses or resetting of circuit breakers.**
- **Damage caused after delivery.**
- **Replacement of the water filter cartridge due to water pressure that is outside the specified operating range or due to excessive sediment in the water supply.**
- **Replacement of the light bulbs or water filter cartridge other than as noted above.**
- **Damage to the product caused by accident, fire, floods or acts of God.**
- **Incidental or consequential damage caused by possible defects with this appliance.**

This warranty is extended to the original purchaser and any succeeding owner for products purchased for home use within the USA. In Alaska, the warranty excludes the cost of shipping or service calls to your home.

Some states do not allow the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

Warrantor: General Electric Company. Louisville, KY 40225

Dryer (electric) - GE Hotpoint

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

> **⚠ *WARNING!***
>
> ***For your safety, the information in this manual must be followed to minimize the risk of fire or explosion, electric shock, or to prevent property damage, personal injury, or death.***

- ***Do not store or use gasoline or other flammable vapors and liquids in the vicinity of this or any other appliance.***
- ***Installation and service must be performed by a qualified installer, service agency or the gas supplier.***

WHAT TO DO IF YOU SMELL GAS:

1. ***Do not try to light a match, or cigarette, or turn on any gas or electrical appliance.***
2. ***Do not touch any electrical switch; do not use any phone in your building.***
3. ***Clear the room, building or area of all occupants.***
4. ***Immediately call your gas supplier from a neighbor's phone. Follow the gas supplier's instructions carefully.***
5. ***If you cannot reach your gas supplier, call the fire department.***

California Safe Drinking Water and Toxic Enforcement Act

This act requires the governor of California to publish a list of substances known to the state to cause cancer, birth defects or other reproductive harm and requires businesses to warn customers of potential exposure to such substances.

Gas appliances can cause minor exposure to four of these substances, namely benzene, carbon monoxide, formaldehyde and soot, caused primarily by the incomplete combustion of natural gas or LP fuels.

Properly adjusted dryers will minimize incomplete combustion. Exposure to these substances can be minimized further by properly venting the dryer to the outdoors.

PROPER INSTALLATION

This dryer must be properly installed and located in accordance with the Installation Instructions before it is used. If you did not receive an Installation Instructions sheet, you can receive one by visiting GEAppliances.com, or by calling 800.GE.CARES (800.432.2737).

- Properly ground dryer to conform with all governing codes and ordinances. Follow details in Installation Instructions.
- Install or store where it will not be exposed to temperatures below freezing or exposed to the weather, which could cause permanent damage and invalidate the warranty.
- Connect to a properly rated, protected and sized power supply circuit to avoid electrical overload.
- Remove all sharp packing items and dispose of all shipping materials properly.

Exhaust/Ducting

1. Gas dryers ***MUST*** be exhausted to the outside.
2. Use only rigid metal 4" diameter ductwork inside the dryer cabinet. Use only rigid metal or flexible metal 4" diameter ductwork for exhausting to the outside. ***USE OF PLASTIC OR OTHER COMBUSTIBLE DUCTWORK CAN CAUSE A FIRE. PUNCTURED DUCTWORK CAN CAUSE A FIRE IF IT COLLAPSES OR BECOMES OTHERWISE RESTRICTED IN USE OR DURING INSTALLATION.***

For complete details, follow the Installation Instructions.

⚠ WARNING!

YOUR LAUNDRY AREA

- Keep the area underneath and around your appliances free of combustible materials (lint, paper, rags, etc.), gasoline, chemicals and other flammable vapors and liquids.
- Keep the floor around your appliances clean and dry to reduce the possibility of slipping.
- Close supervision is necessary if this appliance is used by or near children. Do not allow children to play on, with or inside this or any other appliance.
- Keep all laundry aids (such as detergents, bleaches, etc.) out of the reach of children, preferably in a locked cabinet. Observe all warnings on container labels to avoid injury.
- Never climb on or stand on the dryer top.

WHEN USING YOUR DRYER

- Never reach into the dryer while the drum is moving. Before loading, unloading or adding clothes, wait until the drum has completely stopped.
- Clean the lint filter before each load to prevent lint accumulation inside the dryer or in the room. ***DO NOT OPERATE THE DRYER WITHOUT THE LINT FILTER IN PLACE.***
- Do not wash or dry articles that have been cleaned in, washed in, soaked in or spotted with combustible or explosive substances (such as wax, oil, paint, gasoline, degreasers, dry-cleaning solvents, kerosene, etc.) which may ignite or explode. Do not add these substances to the wash water. Do not use or place these substances around your washer or dryer during operation.
- Do not place items exposed to cooking oils in your dryer. Items contaminated with cooking oils may contribute to a chemical reaction that could cause a clothes load to catch fire.
- Any article on which you have used a cleaning solvent or that contains flammable materials (such as cleaning cloths, mops, towels used in beauty salons, restaurants or barber shops, etc.) must not be placed in or near the dryer until solvents or flammable materials have been removed. There are many highly flammable items used in homes such as acetone, denatured alcohol, gasoline, kerosene, some household cleaners, some spot removers, turpentines, waxes, wax removers and products containing petroleum distillates.
- The laundry process can reduce the flame retardancy of fabrics. To avoid such a result, carefully follow the garment manufacturer's care instructions.
- Do not dry articles containing rubber, plastic or similar materials such as padded bras, tennis shoes, galoshes, bath mats, rugs, bibs, baby pants, plastic bags, pillows, etc. that may melt or burn. Some rubber materials, when heated, can under certain circumstances produce fire by spontaneous combustion.
- Do not store plastic, paper or clothing that may burn or melt on top of the dryer during operation.
- Garments labeled *Dry Away from Heat* or *Do Not Tumble Dry* (such as life jackets containing Kapok) must not be put in your dryer.
- Do not dry fiberglass articles in your dryer. Skin irritation could result from the remaining particles that may be picked up by clothing during subsequent dryer uses.
- To minimize the possibility of electric shock, unplug this appliance from the power supply or disconnect the dryer at the household distribution panel by removing the fuse or switching off the circuit breaker before attempting any maintenance or cleaning (except the removal and cleaning of the lint filter). ***NOTE:*** Turning the Cycle Selector knob to an off position or pressing PAUSE does ***NOT*** disconnect the appliance from the power supply.

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

⚠ WARNING!

WHEN USING YOUR DRYER (cont.)

- Never attempt to operate this appliance if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged cord or plug.
- The interior of the machine and the exhaust duct connection inside the dryer should be cleaned at least once a year by a qualified technician. See the *Loading and Using the Dryer* section.
- If yours is a gas dryer, it is equipped with an automatic electric ignition and does not have a pilot light. ***DO NOT ATTEMPT TO LIGHT WITH A MATCH.*** Burns may result from having your hand in the vicinity of the burner when the automatic ignition turns on.
- You may wish to soften your laundered fabrics or reduce the static electricity in them, by using a dryer-applied fabric softener or an anti-static conditioner. We recommend you use either a fabric softener in the wash cycle, according to the manufacturer's instructions for those products, or try a dryer-added product for which the manufacturer gives written assurance on the package that their product can be safely used in your dryer. Service or performance problems caused by use of these products are the responsibility of the manufacturers of those products and are not covered under the warranty to this appliance.

WHEN NOT USING YOUR DRYER

- Grasp the plug firmly when disconnecting this appliance to avoid damage to the cord while pulling. Place the cord away from traffic areas so it will not be stepped on, tripped over or subjected to damage.
- Do not attempt to repair or replace any part of this appliance or attempt any servicing unless specifically recommended in this Owner's Manual or in published user-repair instructions that you understand and have the skills to carry out.
- Before discarding a dryer, or removing it from service, remove the dryer door to prevent children from hiding inside.
- Do not tamper with controls.

READ AND FOLLOW THIS SAFETY INFORMATION CAREFULLY.

SAVE THESE INSTRUCTIONS

Loading and using the dryer.

Always follow the fabric manufacturer's care label when laundering. **www.GEAppliances.com**

Sorting and Loading Hints

As a general rule, if clothes are sorted properly for the washer, they are sorted properly for the dryer.

Do not add fabric softener sheets once the load has become warm. They may cause fabric softener stains. Bounce® Fabric Conditioner Dryer Sheets have been approved for use in all GE Dryers when used in accordance with the manufacturer's instructions.

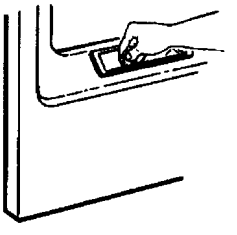
Do not overload. *This wastes energy and causes wrinkling.*

Do not dry the following items: *fiberglass items, woolens, rubber-coated items, plastics, items with plastic trim and foam-filled items.*

Care and Cleaning of the Dryer

The Exterior: Wipe or dust any spills or washing compounds with a damp cloth. Dryer control panel and finishes may be damaged by some laundry pretreatment soil and stain remover products. Apply these products away from the dryer. The fabric may then be washed and dried normally. Damage to your dryer caused by these products is not covered by your warranty.

The Lint Filter: Clean the lint filter before each use. Moisten your fingers and reach into the filter opening. Run your fingers across the filter. Have a qualified technician vacuum the lint from the dryer once a year.



Stainless Steel: To clean stainless steel surfaces, use a damp cloth with a mild, non-abrasive cleaner suitable for stainless steel surfaces. Remove the cleaner residue, and then dry with a clean cloth.

The Exhaust Duct: Inspect and clean the exhaust ducting at least once a year to prevent clogging. A partially clogged exhaust can lengthen the drying time.

Follow these steps:

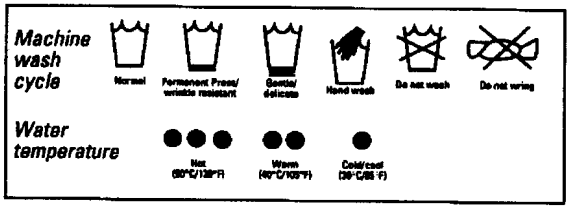
1. Turn off electrical supply by disconnecting the plug from the wall socket.
2. Disconnect the duct from the dryer.
3. Vacuum the duct with the hose attachment and reconnect the duct.

The Exhaust Hood: Check from the outside that the flaps of the hood move freely when operating. Make sure that there is no wildlife (birds, insects, etc.) nesting inside the duct or hood.

Fabric Care Labels

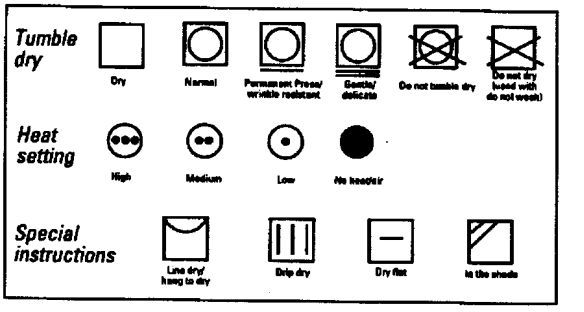
Below are fabric care label "symbols" that affect the clothing you will be laundering.

WASH LABELS



BLEACH LABELS

DRY LABELS



Loading and using the dryer.

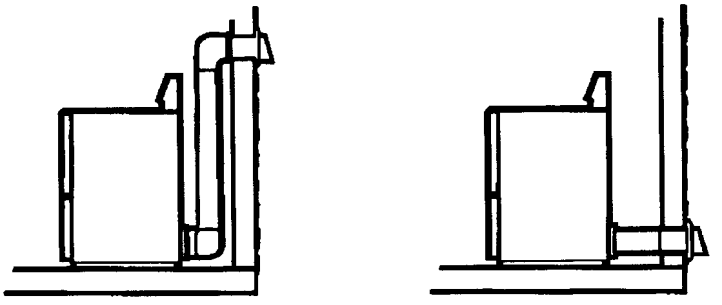
Always follow the fabric manufacturer's care label when laundering.

Venting the Dryer

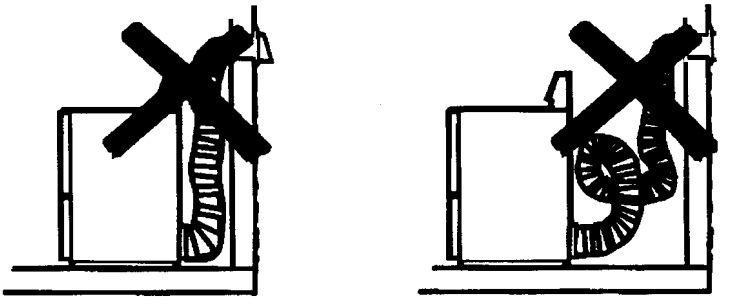
For the best drying performance, the dryer needs to be properly vented. ***The dryer will use more energy and run longer if it is not vented to the below specifications. Carefully follow the details on Exhausting in the Installation Instructions.***

- Use only rigid metal 4" diameter ductwork inside the dryer cabinet. Use only rigid metal or flexible metal 4" diameter ductwork for exhausting to the outside.
- Do not use plastic or other combustible ductwork.
- Use the shortest length possible.
- Do not crush or collapse.
- Avoid resting the duct on sharp objects.
- ***Venting must conform to local building codes.***

Correct Venting



Incorrect Venting



Before you call Customer Support...

www.GEAppliances.com

Troubleshooting Tips
Save time and money! Review the charts on the following pages, or visit www.GEAppliances.com. You may not need to call Customer Support.

Problem	Possible Causes	What To Do
Dryer doesn't start	Dryer is unplugged	• Make sure the dryer plug is pushed completely into the outlet.
	Fuse is blown/circuit breaker is tripped	• Check the house fuse/circuit breaker box and replace fuse or reset breaker. ***NOTE:*** Most electric dryers use 2 fuses/breakers.
Dryer doesn't heat	Fuse is blown/circuit breaker is tripped; the dryer may tumble but not heat	• Check the house fuse/circuit breaker box and replace both fuses or reset both breakers. Your dryer may tumble if only one fuse is blown or one breaker tripped.
	Gas service is off	• Make sure gas shutoff at dryer and main shutoff are fully open.
Dryer shakes or makes noise	Some shaking/noise is normal. Dryer may be sitting unevenly	• Move dryer to an even floor space, or adjust leveling legs as necessary until even.
Greasy spots on clothes	Improper use of fabric softener	• Follow directions on fabric softener package.
	Drying dirty items with clean ones	• Use your dryer to dry only clean items. Dirty items can stain clean items and the dryer.
	Clothes were not completely clean	• Sometimes stains which cannot be seen when the clothes are wet *appear* after drying. Use proper washing procedures before drying.
Lint on clothes	Lint filter is full	• Clean lint screen before each load.
	Improper sorting	• Sort lint producers (like chenille) from lint collectors (like corduroy).
	Static electricity can attract lint	• See suggestions in this section under ***STATIC.***
	Overloading	• Separate large loads into smaller ones.
	Paper, tissue, etc. left in pockets	• Empty all pockets before laundering clothes.
Static occurs	No fabric softener was used	• Try a fabric softener. • Bounce® Fabric Conditioner Dryer Sheets have been approved for use in all GE Dryers when used in accordance with the manufacturer's instructions.
	Overdrying	• Try a fabric softener. • Adjust setting to ***LESS DRY*** or ***DAMP DRY.***
	Synthetics, permanent press and blends can cause static	• Try a fabric softener.
Inconsistent drying times	Type of heat	• Automatic drying times will vary according to the type of heat used (electric, natural or LP gas), size of load, types of fabrics, wetness of clothes and condition of exhaust ducts.

Before you call Customer Support...

Troubleshooting Tips

Problem	Possible Causes	What To Do
Clothes take too long to dry	**Improper sorting**	• Separate heavy items from lightweight items (generally, a well-sorted washer load is a well-sorted dryer load).
	Large loads of heavy fabrics (like beach towels)	• Large, heavy fabrics contain more moisture and take longer to dry. Separate large, heavy fabrics into smaller loads to speed drying time.
	Controls improperly set	• Match control settings to the load you are drying.
	Lint filter is full	• Clean lint filter before every load.
	Improper or obstructed ducting	• Check installation instructions for proper ducting/venting. • Make sure ducting is clean, free of kinks and unobstructed. • Check to see if outside wall damper operates easily. • Check the Installation Instructions to make sure the dryer venting is correct.
	Blown fuses or tripped circuit breaker	• Replace fuses or reset circuit breakers. Since most dryers use 2 fuses/breakers, make sure both are operating.
	Overloading/combining loads	• Do not put more than one washer load in the dryer at a time.
	Underloading	• If you are drying only one or two items, add a few items to ensure proper tumbling.
Clothes are wrinkled	**Overdrying**	• Select a shorter drying time. • Remove items while they still hold a slight amount of moisture. Select a ***LESS DRY*** or ***DAMP DRY*** setting.
	Letting items sit in dryer after cycle ends	• Remove items when cycle ends and fold or hang immediately.
	Overloading	• Separate large loads into smaller ones.
Clothes shrink	**Some fabrics will naturally shrink when washed. Others can be safely washed, but will shrink in the dryer**	• To avoid shrinkage, follow garment care labels exactly. • Some items may be pressed back into shape after drying. • If you are concerned about shrinkage in a particular item, do not machine wash or tumble dry it.

GE Dryer Warranty.

All warranty support provided by our Factory Service Centers, or an authorized Customer Care® technician. To get Customer Support, on-line, 24 hours a day, visit us at ***www.GEAppliances.com****, or call 800.GE.CARES (800.432.2737).*

Staple your receipt here. Proof of the original purchase date is needed to obtain support under the warranty.

For The Period Of:	***GE Will Replace:***
One Year *From the date of the original purchase*	***Any part*** of the dryer which fails due to a defect in materials or workmanship. During this ***full one-year warranty,*** GE will also provide, ***free of charge,*** all labor and related service costs to replace the defective part.

What GE Will Not Cover:

- Service trips to your home to teach you how to use the product.
- Improper installation (including improper venting), delivery or maintenance.
- Failure of the product if it is abused, misused, or used for other than the intended purpose or used commercially.
- Replacement of the light bulb.
- Products which are not defective or broken, or which are working as described in the Owner's Manual.
- Replacement of house fuses or resetting of circuit breakers.
- Damage to the product caused by accident, fire, floods or acts of God.
- Incidental or consequential damage caused by possible defects with this appliance.
- Defects or damage due to operation in freezing temperatures.
- Damage caused after delivery.

This warranty is extended to the original purchaser and any succeeding owner for products purchased for home use within the USA. In Alaska, the warranty excludes the cost of shipping or service calls to your home.

Some states do not allow the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

Warrantor: General Electric Company. Louisville, KY 40225

Washer - GE

IMPORTANT SAFETY INFORMATION. READ ALL INSTRUCTIONS BEFORE USING.

⚠ WARNING! *For your safety, the information in this manual must be followed to minimize the risk of fire or explosion, electric shock, or to prevent property damage, personal injury, or loss of life.*

WATER HEATER SAFETY

Under certain conditions hydrogen gas may be produced in a water heater that has not been used for two weeks or more. Hydrogen gas can be explosive under these circumstances.

If the hot water has not been used for two weeks or more, prevent the possibility of damage or injury by turning on all hot water faucets and allowing them to run for several minutes. Do this before using any electrical appliance which is connected to the hot water system. This simple procedure will allow any built-up hydrogen gas to escape. Since the gas is flammable, do not smoke or use an open flame or appliance during this process.

PROPER INSTALLATION

This washer must be properly installed and located in accordance with the Installation Instructions before it is used. If you did not receive an Installation Instructions sheet, you can receive one by visiting GEAppliances.com, or by calling 800.GE.CARES (800.432.2737).

- Install or store where it will not be exposed to temperatures below freezing or exposed to the weather.
- Properly ground washer to conform with all governing codes and ordinances. Follow details in Installation Instructions.

YOUR LAUNDRY AREA

- Keep the area underneath and around your appliances free of combustible materials such as lint, paper, rags, chemicals, etc.
- Close supervision is necessary if this appliance is used by or near children. Do not allow children to play on, with, or inside this or any other appliance.

WHEN USING THE WASHER

Use this appliance only for its intended purpose as described in this Owner's Manual.

- Never reach into washer while it is moving. Wait until the machine has completely stopped before opening the lid.
- Do not mix chlorine bleach with ammonia or acids such as vinegar and/or rust remover. Mixing different chemicals can produce a toxic gas which may cause death.
- Do not wash or dry articles that have been cleaned in, washed in, soaked in or spotted with combustible or explosive substances (such as wax, oil, paint, gasoline, degreasers, dry-cleaning solvents, kerosene, etc.). These substances give off vapors that may ignite or explode. Do not add these substances to the wash water. Do not use or place these substances around your washer or dryer during operation.
- The laundry process can reduce the flame retardancy of fabrics. To avoid such a result, carefully follow the garment manufacturer's wash and care instructions.
- To minimize the possibility of electric shock, unplug this appliance from the power supply or disconnect the washer at the building's distribution panel by removing the fuse or switching off the circuit breaker before attempting any maintenance or cleaning. ***NOTE:*** Turning the Cycle Selector Knob to an off position, or pressing PAUSE does ***NOT*** disconnect the appliance from the power supply.
- Never attempt to operate this appliance if it is damaged, malfunctioning, partially disassembled, or has missing or broken parts, including a damaged cord or plug.

WHEN NOT IN USE

- Turn off water faucets to relieve pressure on hoses and valves and to minimize leakage if a break or rupture should occur. Check the condition of the fill hoses; they should be replaced every 5 years.
- Before discarding a washer, or removing it from service, remove the washer lid to prevent children from hiding inside.
- Do not attempt to repair or replace any part of this appliance unless specifically recommended in this Owner's Manual, or in published user-repair instructions that you understand and have the skills to carry out.
- Do not tamper with controls.

READ AND FOLLOW THIS SAFETY INFORMATION CAREFULLY.

SAVE THESE INSTRUCTIONS

Care and Cleaning of the Washer

Wash Basket: Leave the lid open after washing to allow moisture to evaporate. If you want to clean the basket, use a clean soft cloth dampened with liquid detergent, then rinse. (Do not use harsh or gritty cleaners.)

Fill Hoses: Hoses connecting washer to faucet should be replaced every 5 years.

Exterior: Immediately wipe off any spills. Wipe with damp cloth. Try not to hit surface with sharp objects.

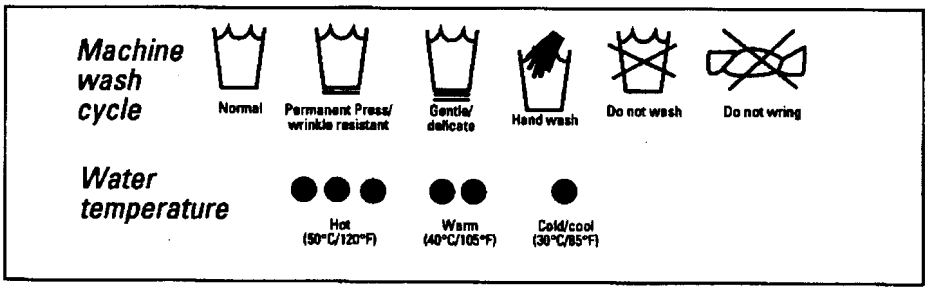
Moving and Storage: Ask the service technician to remove water from drain pump and hoses. See the Installation Instructions packed with product for information on how to reinstall the shipping rod to keep the tub stationary when moving the washer. For more information, visit ***GEAppliances.com***, or call ***800.GE.CARES*** (800.432.2737). Do not store the washer where it will be exposed to the weather.

Long Vacations: Be sure water supply is shut off at faucets. Drain all water from hoses if weather will be below freezing.

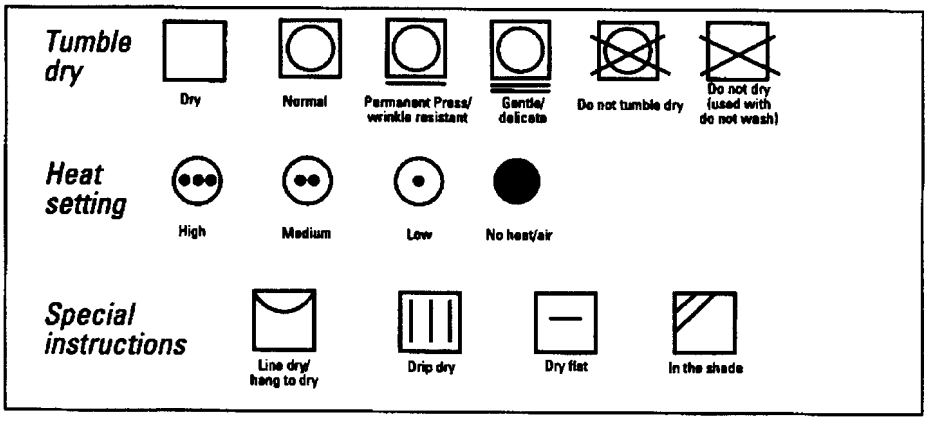
Fabric Care Labels

Below are fabric care label "symbols" that affect the clothing you will be laundering.

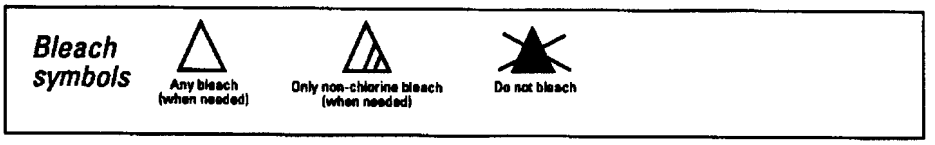
WASH LABELS



DRY LABELS



BLEACH LABELS



Before you call for service...

Troubleshooting Tips
*Save time and money! Review the charts on the following pages, or visit **GEAppliances.com**. You may not need to call for service.*

PERFECTEMP	Possible Causes	What To Do
PerfecTemp wash temperature is incorrect	The washer is in a cold rinse cycle	• This normal. The ***PerfecTemp*** feature is designed not to activate during a cold rinse cycle to improve the energy efficiency of your washer.
(Review PerfecTemp in the "About washer features" section)	All the water in your household water heater has been used	• Wait until the water in the water heater is heated to the correct temperature.
WATER	**Possible Causes**	**What To Do**
Too many suds	Type of detergent	• Switch to a lower sudsing detergent brand and follow instructions on package.
	Very soft water	• Try less detergent.
	Too much detergent	• Measure your detergent carefully. Use less soap if you have soft water, a smaller load, or a lightly soiled load.
Water leaks	Fill hoses or drain hose is improperly connected	• Make sure hose connections are tight at faucets and rubber washers are installed. Make sure end of drain hose is correctly inserted in and secured to drain facility.
	Household drain may be clogged	• Check household plumbing. You may need to call a plumber.
	Constant water pressure to the fill hoses at the water source	• Tighten hoses at the faucets and turn the water off after each use. • Check condition of the fill hoses; they should be replaced every 5 years.
	Using too much detergent in washer	• Use less detergent. Use less soap if you have soft water, a smaller load, or a lightly soiled load.
Water temperature seems incorrect	Cooler water temperatures provide improved energy efficiency	• New laundry detergents have been formulated to work with cooler water temperatures without affecting wash performance.
	Control is not set properly	• Check water temperature control and adjust.
	Water supply is turned off or improperly connected	• Turn both hot and cold faucets fully on and make sure hoses are connected to correct faucets.
	Water valve screens are stopped up	• Turn off the water source and remove the water connection hoses from the upper back of the washer. Use a brush or toothpick to clean the screens in the machine. Reconnect the hoses and turn the water back on.
	House water heater is not set properly	• Make sure house water heater is delivering water at 120°F–140°F(48°C–60°C).
Water pumped out before cycle is complete	Lid lifted or cycle was put in pause for over 24 hours	• Reset cycle.
Water won't drain	Drain hose is kinked or improperly connected	• Straighten drain hose and make sure washer is not sitting on it. • Top of drain outlet should be less than 8 ft (2.5 m) above floor.
Washer pauses during wash cycle	The ***HANDWASH*** or ***CASUALS*** cycle was chosen	• This is normal. The washer alternates between agitate and soak during the ***HANDWASH*** and ***CASUALS*** cycles to get your clothes cleaner with less wear.
Washer pauses during spin cycle	This is normal	• The washer may pause during the spin cycle to remove soapy water more efficiently.

OPERATION	*Possible Causes*	*What To Do*
Washer won't operate	Washer is unplugged	• Make sure cord is plugged securely into a working outlet.
	Water supply is turned off	• Turn both hot and cold faucets fully on.
	Controls are not set properly	• Check controls.
	Lid is open – safety feature prevents agitation and spinning when lid is up	• Close lid and reset cycle, to the beginning if necessary.
	Circuit breaker/fuse is tripped/blown	• Check house circuit breakers/fuses. Replace fuses or reset breaker. Washer should have separate outlet.
	Electronics need to be reset	• Unplug washer, wait 2 minutes, plug back in, and press START.
	START was not pressed	• Press START.

PERFORMANCE	*Possible Causes*	*What To Do*
Clothes too wet	Incorrect spin cycle selected	• Make sure the spin cycle selected matches the load you are washing. Some fabrics will feel wetter when rinsed with cold water.
Colored spots	Incorrect use of fabric softener	• Check fabric softener package for instructions and follow directions for using dispenser. • Pretreat stain and rewash.
	Dye transfer	• Sort whites or lightly colored items from dark colors.
Grayed or yellowed clothes	Not enough detergent	• Use more detergent (especially with larger loads). Be sure to follow detergent manufacturer's directions.
	Hard water	• Use a water conditioner like Calgon brand or install a water softener.
	Water is not hot enough	• Make sure water heater is delivering water at 120°F–140°F (48°C–60°C).
	Washer is overloaded	• Select load size to match clothes load.
	Detergent is not dissolving	• Add detergent as wash basket fills with water before you load clothes.
	Dye transfer	• Sort clothes by color. If fabric label states *wash separately,* unstable dyes may be indicated.
Lint or residue on clothes	Clothes are air or line dried	• If you do not dry your clothes with a clothes dryer, your clothes may retain more lint.
	Incorrect sorting	• Separate lint producers from lint collectors.
	Washing too long	• Wash small loads for a shorter time than larger loads.
	Detergent not dissolving	• Add detergent as wash basket fills with water, before you load clothes. • Try a liquid detergent. • Use warmer water temperature.
	Overloading	• Load clothes no higher than the top row of holes in the washer basket. • Make sure load size selected matches clothes load size.
	Incorrect use of fabric softener	• Check fabric softener package for instructions and follow directions for using dispenser.

Before you call for service...

Troubleshooting Tips

PERFORMANCE (cont.)	Possible Causes	What To Do
Pilling	Result of normal wear on poly-cotton blends and fuzzy fabrics	• While this is not caused by the washer, you can slow the pilling process by washing garments inside out.
Snags, holes, tears, rips or excessive wear	Pins, snaps, hooks, sharp buttons, belt buckles, zippers and sharp objects left in pockets	• Fasten snaps, hooks, buttons and zippers. • Remove loose items like pins, objects in pockets and sharp buttons. • Turn knits (which snag easily) inside out.
	Undiluted chlorine bleach	• Check bleach package instructions for proper amount. • Never add undiluted bleach to wash or allow clothes to come in contact with undiluted bleach.
	Chemicals like hair bleach or dye, permanent wave solution	• Rinse items that may have chemicals on them before washing.
Wrinkling	Improper sorting	• Avoid mixing heavy items (like work clothes) with light items (like blouses). • Try a fabric softener.
	Overloading or incorrect water level	• Load your washer so clothes have enough room to move freely with water covering all of the clothes.
	Incorrect wash and dry cycles	• Match Cycle selection to the type of fabric you are washing (especially for easy care loads).
	Repeated washing in water that is too hot	• Wash in warm or cold water.

NOISE	Possible Causes	What To Do
Washer is noisy	Washer is uneven	• To level the front of the washer, adjust the front leveling legs by rotating the individual leg in the proper direction for up or down. To level back of washer, lift back of machine 4" (11 cm) and set down.
	Washer load is unbalanced	• Press PAUSE to stop the washer, open the lid and redistribute the load evenly. Close the lid and press START.
	Shipping rod is still assembled in unit	• To remove shipping rod from washer, pull yellow tag and attached rod from the bottom right-hand side of washer.
	Washer is sitting too close to wall (causes knocking during cycle)	• Pull washer away from the wall; about 4" (11 cm) is needed.

OTHER	Possible Causes	What To Do
Labels on the exterior of the washer will not peel off cleanly	Occasionally the adhesive used on the labels does not release cleanly	• Use a hair dryer set at the lowest heat setting, directing the air at the label for a short amount of time. This will release the adhesive easily, without damaging the surface of the washer.

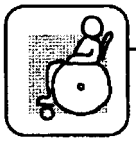
Consumer Support.

GE Appliances Website — GEAppliances.com

Have a question or need assistance with your appliance? Try the GE Appliances Website 24 hours a day, any day of the year! For greater convenience and faster service, you can now download Owner's Manuals, order parts, catalogs, or even schedule service on-line. You can also "Ask Our Team of Experts™" your questions, and so much more...

Schedule Service — GEAppliances.com

Expert GE repair service is only one step away from your door. Get on-line and schedule your service at your convenience 24 hours any day of the year! Or call 800.GE.CARES (800.432.2737) during normal business hours.

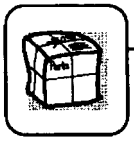


Real Life Design Studio — GEAppliances.com

GE supports the Universal Design concept—products, services and environments that can be used by people of all ages, sizes and capabilities. We recognize the need to design for a wide range of physical and mental abilities and impairments. For details of GE's Universal Design applications, including kitchen design ideas for people with disabilities, check out our Website today. For the hearing impaired, please call 800.TDD.GEAC (800.833.4322).

Extended Warranties — GEAppliances.com

Purchase a GE extended warranty and learn about special discounts that are available while your warranty is still in effect. You can purchase it on-line anytime, or call 800.626.2224 during normal business hours. GE Consumer Home Services will still be there after your warranty expires.



Parts and Accessories — GEAppliances.com

Individuals qualified to service their own appliances can have parts or accessories sent directly to their homes (VISA, MasterCard and Discover cards are accepted). Order on-line today, 24 hours every day or by phone at 800.626.2002 during normal business hours.

Instructions contained in this manual cover procedures to be performed by any user. Other servicing generally should be referred to qualified service personnel. Caution must be exercised, since improper servicing may cause unsafe operation.

Contact Us — GEAppliances.com

If you are not satisfied with the service you receive from GE, contact us on our Website with all the details including your phone number, or write to: General Manager, Customer Relations
GE Appliances, Appliance Park
Louisville, KY 40225

Register Your Appliance — GEAppliances.com

Register your new appliance on-line—at your convenience! Timely product registration will allow for enhanced communication and prompt service under the terms of your warranty, should the need arise. You may also mail in the pre-printed registration card included in the packing material.

GE Washer Warranty.

All warranty service provided by our Factory Service Centers, or an authorized Customer Care® technician. To schedule service, on-line, 24 hours a day, visit us at GEAppliances.com, or call 800.GE.CARES (800.432.2737).

Staple your receipt here. Proof of the original purchase date is needed to obtain service under the warranty.

For The Period Of:	We Will Replace:
One Year *From the date of the original purchase*	***Any part*** of the washer which fails due to a defect in materials or workmanship. During this ***full one-year warranty,*** GE will also provide, ***free of charge,*** all labor and related service to replace the defective part.
Second through Fifth Year *From the date of the original purchase*	***The transmission, suspension rod and spring assembly,*** if any of these parts should fail due to a defect in materials or workmanship. GE will also replace the ***washer lid or cover,*** if they should rust under normal operating conditions. During this ***additional four-year limited warranty,*** you will be responsible for any labor or related service costs.
Second through Tenth Year *From the date of the original purchase*	***The washer tub,*** if it should fail due to a defect in materials or workmanship. During this ***additional nine-year limited warranty,*** you will be responsible for any labor or related service costs.
Second through Twentieth Year *From the date of the original purchase*	***The washer basket,*** if it should fail due to a defect in materials or workmanship. During this ***additional nineteen-year limited warranty,*** you will be responsible for any labor or related service costs.

What Is Not Covered:

- **Service trips to your home to teach you how to use the product.**
- **Improper installation, delivery or maintenance.**
- **Failure of the product if it is abused, misused, or used for other than the intended purpose or used commercially.**
- **Replacement of house fuses or resetting of circuit breakers.**
- **Damage to the product caused by accident, fire, floods or acts of God.**
- **Incidental or consequential damage caused by possible defects with this appliance.**
- **Damage caused after delivery.**

This warranty is extended to the original purchaser and any succeeding owner for products purchased for home use within the USA. In Alaska, the warranty excludes the cost of shipping or service calls to your home.

Some states do not allow the exclusion or limitation of incidental or consequential damages. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. To know what your legal rights are, consult your local or state consumer affairs office or your state's Attorney General.

Warrantor: General Electric Company. Louisville, KY 40225

Fireplaces (electric) - Dimplex

Dimplex
North America Limited

PRACTICAL USER'S GUIDE FOR THE OPTIFLAME ELECTRIC FIREPLACE

MODEL NUMBERS:

BF33ST/DX
BF39ST/DX
HBI39ST/DX
BF45ST/DX
HBI45ST/DX

Write Your Remote Control Code Number Here:	Quality checked by:

Valued Customer,

We are pleased that you have chosen to purchase an electric fireplace manufactured by Dimplex North America Ltd.

Over the years, valuable memories will occur around the warmth and comfort of your hearth. Thank you for allowing our product to be the backdrop for those special moments.

QUICK REFERENCE GUIDE FOR THE OPTIFLAME ELECTRIC FIREPLACE

1. Prior to the first use of the fireplace verify the following:
   - Are the circuit breakers for the fireplace on?
   - Are the light bulbs in your fireplace loose? (to check, follow the instructions for replacing the light bulbs under the maintenance section of this manual)

2. The heater on your fireplace may emit a slight, harmless odor when first used. This odor is a normal condition caused by the initial heating of internal heater parts and will not occur again.

3. If your heater does not emit heat, ensure the large switch is on, the wall thermostat is set above the current room temperature and any wall switches for the unit are on. If this does not work, switch the unit off for 5 minutes and try again. Consult operation section of your practical users guide for further information.

4. The information regarding the model of your fireplace can be found on the rating plate located under the logs in the lighting area.

5. If you have any technical questions, questions regarding the operation of your fireplace , or require service for your fireplace contact Dimplex North America customer service at 1-888-DIMPLEX (1-888-346-7539).

IMPORTANT INSTRUCTIONS

SAVE THESE INSTRUCTIONS

PLEASE RETAIN THIS USER'S GUIDE FOR FUTURE REFERENCE

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock, and injury to persons, including the following:

1. Read all instructions before using this fireplace.
2. This fireplace is hot when in use. To avoid burns, do not let bare skin touch hot surfaces. The trim around the heater outlet becomes hot during heater operation. Keep combustible materials, such as furniture, pillows, bedding, papers, clothes, and curtains at least 3 feet (0.9m) from the front of the unit.
3. Extreme caution is necessary when any heater is used by or near children or invalids and whenever the fireplace is left operating and unattended.
4. Do not operate any fireplace if the heater has malfunctioned, or if the fireplace has been dropped or damaged in any manner.
5. Do not use outdoors
6. This fireplace is not intended for use in bathrooms, laundry areas and similar indoor locations.
7. Do not insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage to the heater.
8. To prevent a possible fire, do not block are intake or exhaust in any manner.
9. All electrical heaters have hot and arcing or sparking parts inside. Do not use in areas where gasoline, paint, or flammable liquids are used or stored or where the unit will be exposed to flammable vapors.
10. Do not modify this fireplace. Use it only as described in this manual. Any other use not recommended by the manufacturer may cause fire, electric shock or injury to persons.
11. Do not burn wood or other materials in this fireplace.
12. Do not strike fireplace glass.
13. Always use a certified electrician for installation.
14. Disconnect all power coming to fireplace at main service panel before performing any cleaning, or maintenance.
15. When transporting or storing the fireplace, keep in a dry place, free from excessive vibration and store as to avoid damage.

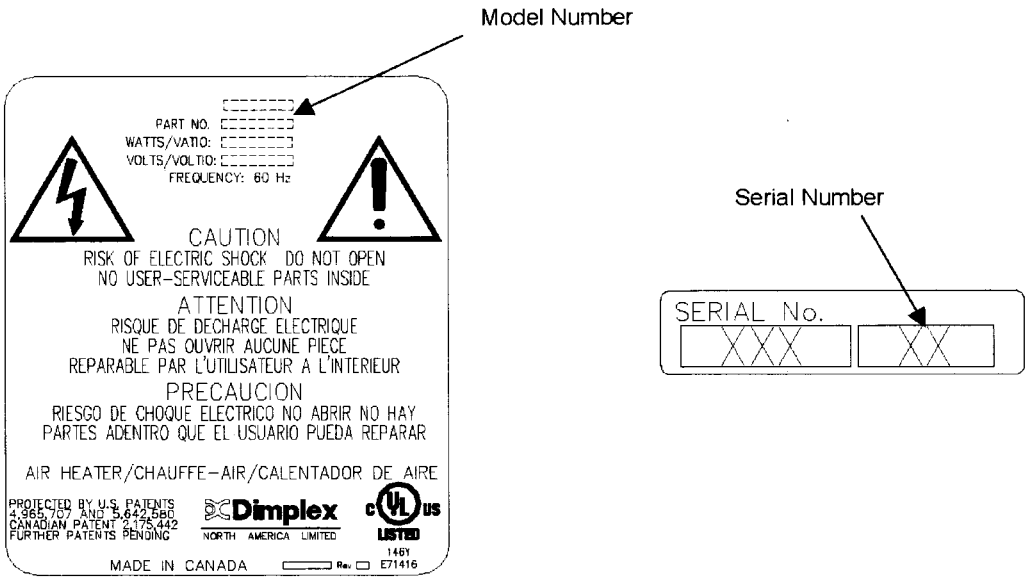
NOTE: Procedures and techniques that are considered important enough to emphasize

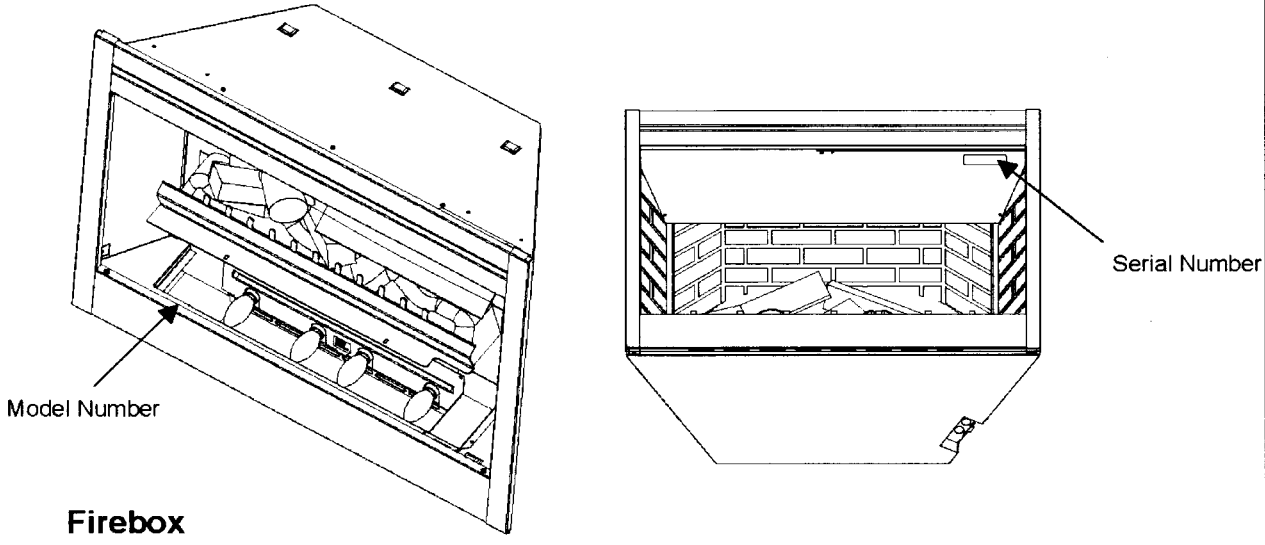
CAUTION: Procedures and techniques which, if not carefully followed, will result in damage to the equipment

WARNING: Procedures and techniques which, if not carefully followed, will expose he user to the risk of fire, serious injury, illness or death

IMPORTANT INSTRUCTIONS

If you have any questions about out products please have the product model and serial numbers available upon calling Dimplex customer service. To locate the model and serial number labels see below.





Firebox

MAINTENANCE

WARNING
Disconnect all power coming to fireplace at main service panel before attempting an maintenance or cleaning to reduce risk of fire, shock or damage to persons.

NOTE
Allow at least 5 minutes for light bulbs to cool off before touching bulbs to avoid accidental burning of skin.

TOOL REQUIREMENTS
Slot screw driver

LIGHT BULB REPLACEMENT
Allow at least 5 minutes for light bulbs to cool off before touching bulbs to avoid accidental burning of skin.
Light bulbs need to be replaced when you notice a dark section of the flame or when the clarity and detail of the log exterior disappears. There are four bulbs under the log set which generate the flames and embers.

LIGHT BULB REQUIREMENTS
Quantity of 4 clear chandelier or chandelabra bulbs with an E-12 (small) socket base, 60 watt rating. Example: GE 60BC or Philips 60CTC.
DO NOT EXCEED 60 WATTS PER BULB.

CAUTION
When handling log only apply force to the ember bed section not directly to the logs.

HELPFUL HINTS

It is a good idea to replace all light bulbs at one time if they are close to the end of their rated life. Group replacement will reduce the number of times you need to open the unit to replace light bulbs. Long life bulbs are recommended to reduce the frequency of bulb changes.

To access the light bulb area:

1. Open steel curtain (remove glass doors if applicable).

2. Remove two screws on log bracket and set aside. (FIGURE 3)

3. Pull front edge of plastic ember bed or plastic grate up and forward until rear tab releases from the ledge located at the bottom of the mirror. (FIGURE 4)
Note: Log set fits tightly into firebox, some force may be necessary to remove.

4. Examine the bulbs to determine which bulbs require replacement.

5. Unscrew bulbs counter clockwise.

6. Insert new bulbs.

7. Replace the log by inserting the rear tab of the logset under the back ledge of the fireplace and push down on the front edge of the logset until it snaps into place. (FIGURE 4)

8. Replace log grate using two screws previously removed.

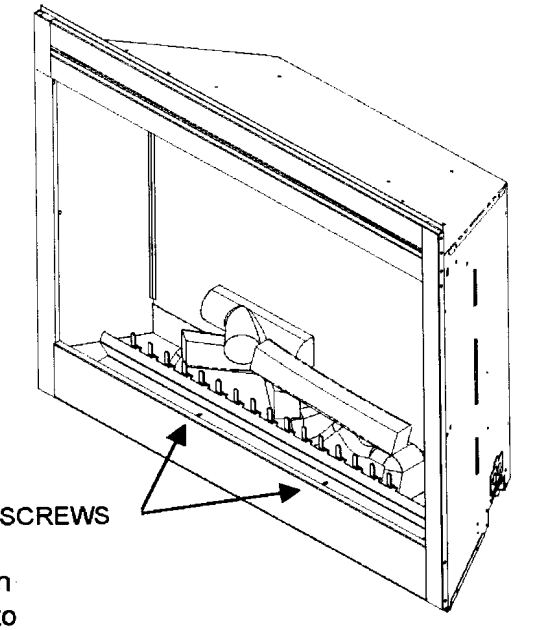


FIGURE 3

Mirror Cleaning

The mirror is cleaned in the factory during the Assembly operation. During shipment, installation, Handling, etc., the mirror surface may collect dust Particles; these can be removed by buffing lightly With a clean dry cloth.

To remove fingerprints or other marks, the mirror can be cleaned with a damp cloth using good quality household glass cleaner. The mirror should be completely dried with a lint free cloth to prevent water spots. To prevent scratching scratching, do not use abrasive cleaners or spray liquids on the clear door surface.

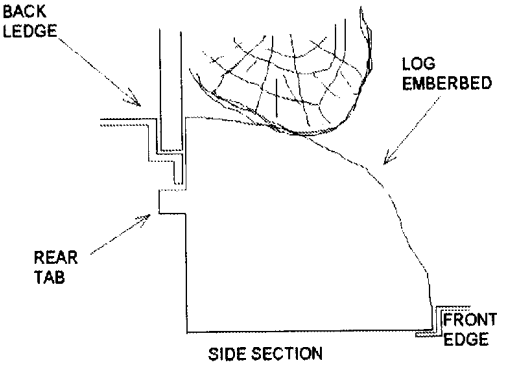


FIGURE 4

TWO YEAR LIMITED WARRANTY

Products to which this limited warranty applies

This limited warranty applies to the following models of your newly purchased Dimplex electric fireplace **BF33ST, BF33DX, BF39ST, BF39DX, BF45ST, BF45DX, HBI39ST, HBI39DX, HBI45ST, HBI45DX** and to newly purchased Dimplex fireplace surrounds (mantels) and trims. This limited warranty applies only to purchases made in any province of Canada *except* for Yukon Territory, Nunavut, or Northwest Territories or in any of the 50 States of the USA (and the District of Columbia) *except* for Hawaii and Alaska. This limited warranty applies to the original purchaser of the product only and is not transferable.

Products excluded from this limited warranty

Light bulbs are not covered by this limited warranty and are the sole responsibility of the owner/purchaser. Products purchased in Yukon Territory, Nunavut, Northwest Territories, Hawaii, or Alaska are not covered by this limited warranty. Products purchased in these States, provinces, or territories are sold AS IS without warranty or condition of any kind (including, without limitation, any implied warranties or conditions of merchantability or fitness for a particular purpose) and the entire risk of as to the quality and performance of the products is with the purchaser, and in the event of a defect the purchaser assumes the entire cost of all necessary servicing or repair.

What this limited warranty covers and for how long

Products, other than fireplace surrounds (mantels) and trims, covered by this limited warranty have been tested and inspected prior to shipment and, subject to the provisions of this warranty, Dimplex warrants such products to be free from defects in material and workmanship for a period of 2 years from the date of the first purchase of such products.

Dimplex fireplace surrounds (mantels) and trims covered by this limited warranty have been tested and inspected prior to shipment and, subject to the provisions of this warranty, Dimplex warrants such products to be free from defects in material and workmanship for a period of 1 year from the date of first purchase of such products.

The limited 2 year warranty period for products other than fireplace surrounds (mantels) and trims and the limited 1 year warranty period for fireplace surrounds (mantels) and trims also applies to any implied warranties that may exist under applicable law. Some jurisdictions do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to the purchaser.

What this limited warranty does not cover

This limited warranty does not apply to products that have been repaired (except by Dimplex or its authorized service representatives) or otherwise altered. This limited warranty does further not apply to defects resulting from misuse, abuse, accident, neglect, incorrect installation, improper maintenance or handling, or operation with an incorrect power source.

What you must do to get service under this limited warranty

Defects must be brought to the attention of Dimplex Technical Service by contacting Dimplex at 1-888-DIMPLEX (1-888-346-7539), or 1367 Industrial Road, Cambridge Ontario, Canada N1R 7G8. Please have proof of purchase, catalogue/model and serial numbers available when calling. Limited warranty service requires a proof of purchase of the product.

What Dimplex will do in the event of a defect

In the event a product or part covered by this limited warranty is proven to be defective in material or workmanship during (i) the 2 year limited warranty period for products other than fireplace surrounds (mantels) and trims, and (ii) the 1 year limited warranty period for surrounds (mantels) and trims, you have the following rights:

- Dimplex will in its sole discretion either repair or replace such defective product or part without charge. If Dimplex is unable to repair or replace such product or part, or if repair or replacement is not commercially practicable or cannot be timely made, Dimplex may, in lieu of repair or replacement, choose to refund the purchase price for such product or part.
- Limited warranty service will be performed solely by dealers or service agents of Dimplex authorized to provide limited warranty services.
- **For products other than surrounds (mantels) and trims**, this 2 year limited warranty entitles the purchaser to on-site or in-home warranty services. Accordingly, Dimplex will be responsible for all labour and transportation associated with repairing or replacing the product or part except as follows: (i) charges which may be levied for travel costs incurred to travel to the purchaser's site where the product is located if the purchaser's site is beyond 30 miles (48 km) from the closest service depot of Dimplex's dealer or service agent; and (ii) the purchaser is solely responsible for providing clear access to all serviceable parts of the product.
- **For surrounds (mantels) and trims**, this 1 year limited warranty does not entitle the purchaser to on-site or in-house warranty services. The purchaser is responsible for removal and transportation of the surrounds (mantels) and trims (and any repaired or replacement product or part) to and from the authorized dealer's or service agent's place of business. On-site or in-home services for surrounds (mantels) and trims may be performed at the purchaser's specific request and expense at Dimplex's then-current rates for such services. Dimplex will not be responsible for, and this limited warranty shall not include, any expense incurred for installation or removal of the surrounds (mantels) or trims or any part thereof (or any replacement product or part) including, without limitation, all shipping costs and transportation costs to and from the authorized dealer's or service agent's place of business and all labour costs. Such costs shall be the purchaser's responsibility.

What Dimplex and its dealers and service agents are also not responsible for:

IN NO EVENT WILL DIMPLEX, OR ITS DIRECTORS, OFFICERS, OR AGENTS, BE LIABLE TO THE PURCHASER OR ANY THIRD PARTY, WHETHER IN CONTRACT, IN TORT, OR ON ANY OTHER BASIS, FOR ANY INDIRECT, SPECIAL, PUNITIVE, EXEMPLARY, CONSEQUENTIAL, OR INCIDENTAL LOSS, COST, OR DAMAGE ARISING OUT OF OR IN CONNECTION WITH THE SALE, MAINTENANCE, USE, OR INABILITY TO USE THE PRODUCT, EVEN IF DIMPLEX OR ITS DIRECTORS, OFFICERS, OR AGENTS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH LOSSES, COSTS OR DAMAGES, OR IF SUCH LOSSES, COSTS, OR DAMAGES ARE FORESEEABLE. IN NO EVENT WILL DIMPLEX, OR ITS OFFICERS, DIRECTORS, OR AGENTS BE LIABLE FOR ANY DIRECT LOSSES, COSTS, OR DAMAGES THAT EXCEED THE PURCHASE PRICE OF THE PRODUCT.

SOME JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO THE PURCHASER.

How State and Provincial law apply

This limited warranty gives you specific legal rights, and you may also have other rights which vary from jurisdiction to jurisdiction. The provisions of the United Nations Convention on Contracts for the Sale of Goods shall not apply to this limited warranty or the sale of products covered by this limited warranty.